

Cornell University Announcements

General Information





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1979-80

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Cornell Academic Calendar

Registration, new students
Registration, continuing and rejoining students
Fall term instruction begins
Fall recess:
 Instruction suspended, 1:10 p.m.
 Instruction resumed
Thanksgiving recess:
 Instruction suspended, 1:10 p.m.
 Instruction resumed
Fall term instruction ends, 5:00 p.m.
Final examinations begin
Final examinations end
Registration, new and rejoining students
Registration, continuing students
Spring term instruction begins
Spring recess:
 Instruction suspended, 1:10 p.m.
 Instruction resumed
Spring term instruction ends, 1:10 p.m.
Final examinations begin
Final examinations end
Commencement Day

1979—80

Wednesday, August 29
Thursday and Friday, August 30 and 31
Monday, September 3

Saturday, October 20
Wednesday, October 24

Wednesday, November 21
Monday, November 26
Tuesday, December 11
Sunday, December 16
Sunday, December 23
Wednesday, January 16
Thursday and Friday, January 17 and 18
Monday, January 21

Saturday, March 15
Monday, March 24
Saturday, May 3
Monday, May 12
Tuesday, May 20
Monday, May 26

In this calendar, the University has scheduled classes on religious holidays. It is the intent of the University that students missing classes due to the observance of religious holidays be given ample opportunity to make up work.

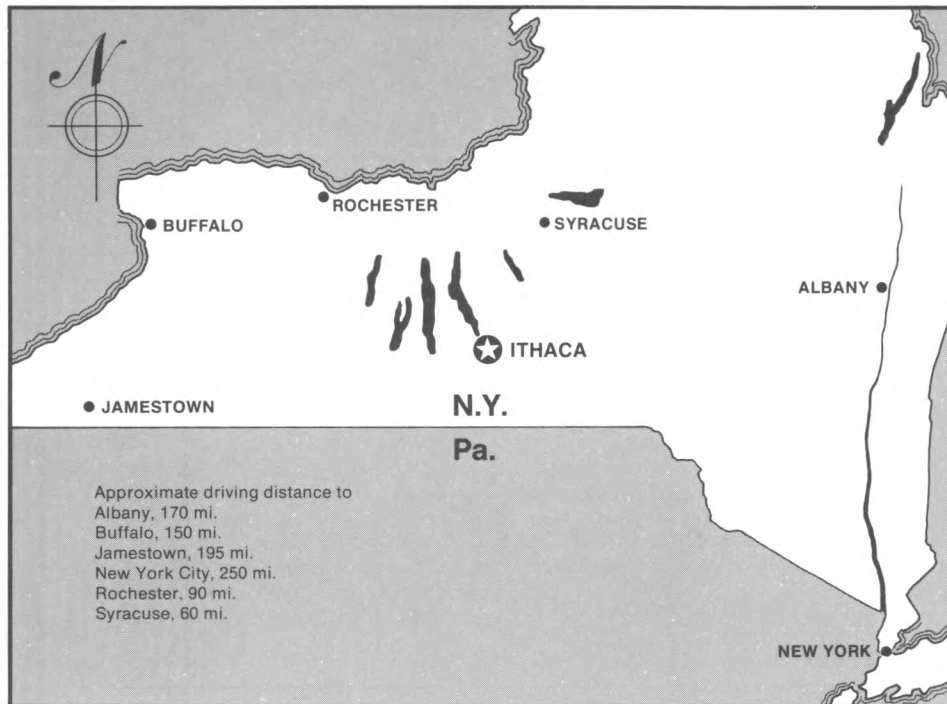
1980—81

Wednesday, August 27
Thursday and Friday, August 28 and 29
Tuesday, September 2

Saturday, November 22
Monday, December 1
Wednesday, December 10
Saturday, December 13
Monday, December 22
Wednesday, January 28
Thursday and Friday, January 29 and 30
Monday, February 2

Saturday, April 11
Monday, April 20
Saturday, May 16
Tuesday, May 19
Thursday, May 28
Saturday, May 30

The dates shown in the academic calendar are subject to change at any time by official action of Cornell University.



Summer Session Calendar

1980

Three-Week Session	June 2 – June 24
Eight-Week Session	June 16 – August 8
Six-Week Session	June 25 – August 8

General Information

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Why Cornell?

Deciding where to go to college is not easy. One must weigh so many things about each institution: its curriculum, faculty, special programs, requirements, cost, size, location, reputation. In this critical choice why should Cornell be especially attractive? What are the special nature and resources that should draw you here to this university and to Ithaca?

Diverse Curriculum and Programs

To begin, Cornell offers unusual variety and diversity. As an independent Ivy League institution and the land-grant university of the state of New York, Cornell has thirteen colleges and schools, of which four are state supported and nine privately endowed. Hundreds of subjects and courses of study are available covering a range that is rare on a single campus.

From its beginning in 1865, Cornell has been characterized as an institution unafraid to depart from conventional ideas. It was the first major American university to be both nonsectarian and coeducational and the first to declare itself for the elective idea and thus to offer its students a real choice of studies. It was never bound by the traditional curriculum and has adhered to founder Ezra Cornell's intention to "found an institution where any person can find instruction in any study."

Today, along with the pursuit of excellence in traditional subjects at Cornell, there is an acute awareness of current problems. Students and faculty in many segments of the University are

engaged in exploring such problems, and their efforts take shape in new fields, programs, and centers. There are, for example, a Peace Studies Program, a Program on Science, Technology, and Development, a Rural Development Committee, and an International Population Program. The University has a variety of programs in international agriculture, nutrition, and economics and an interdisciplinary Program on Science, Technology, and Society. The Africana Studies and Research Center is concerned with such topics as Pan-Africanism and contemporary black ideologies, and people and movements in the black urban ghetto.

From the abundance of offerings available, the student enrolled at Cornell may choose a specialty and then supplement it with courses from other schools. For example, a student of anthropology in the College of Arts and Sciences may supplement the normal arts program by taking courses in the Division of Biological Sciences, the Division of Nutritional Sciences, and the College of Veterinary Medicine. The same is true of a premedical student, who, interested in mastering the intricacies of equipment he or she must use, may take courses in the College of Engineering.

Cornell is not a university of overwhelming size. The total enrollment on the Ithaca campus is 16,300 with 11,800 undergraduate students, 4,500 graduate students, and 600 extramural students. Since a student is enrolled in one school or component unit, the diverse offerings of the University are made available while a student is a member of a smaller and more intimate group. The largest unit at Cornell is the College of Arts and





Sciences, with 3,700 undergraduates enrolled; the smallest is the College of Architecture, Art, and Planning, which currently enrolls 400 undergraduates.

Outstanding Faculty

The outstanding faculty of Cornell numbers over 1,800, including many who are recognized internationally as leaders in their fields. As Cornell is a major university, nearly all faculty are actively involved in research and scholarship extending the boundaries of human knowledge across the full range of academic endeavor. Active scholars bring special enthusiasm and perspective to their students and classrooms. Since the University

has always assigned a high priority to the quality of its undergraduate programs, no distinction is made between the graduate and undergraduate faculty and it is not uncommon to find department chairmen teaching introductory courses or prominent scholars offering courses for general enrollment. Here there is no need to choose between the gifted scholar and dedicated teacher — most Cornell faculty provide a balance of both. The faculty routinely act as advisers and keep regular office hours, ensuring their accessibility to serious and interested students. The vitality and diversity of the Cornell faculty and programs also attract a constant succession of visiting lecturers and professors from other institutions.

Fine Facilities

As a fine university, Cornell provides a variety of excellent academic and recreational facilities. A partial listing on the academic side includes one of the ten largest academic library systems in the country, with holdings of more than four million volumes; excellent scientific laboratories and equipment; a spectacular art museum. There are three student unions equipped for all kinds of social, cultural, recreational, and educational activities. Extensive intercollegiate and intramural athletic participation is provided for men and women in the vast athletic facilities, including an indoor rink for ice hockey and skating, two competition-sized indoor pools, a championship golf course, intramural and varsity playing fields, squash courts, crew

tanks, gymnasiums, and a riding hall for polo. These facilities for athletics, plus the many concerts, plays, lectures, movies, and other cultural events provide a wealth of activities for all students on campus.

A Unique Setting

At Cornell the physical aspects of the campus add real joy to the university experience. Situated on hills overlooking Cayuga Lake, the campus covers 740 acres and is considered one of the most beautiful in the United States. The original site has not lost its splendor in a magnificent setting cut by two deep gorges and with expansive views of the surrounding countryside. There are now more than ninety major buildings on campus containing a kaleidoscope of architectural styles, with distinguished older buildings placed comfortably side by side with newer, often impressive, examples of the modern. Within a short drive are three unusually scenic state parks with facilities for hiking, boating, swimming, and camping; several ski areas; and an extensive system of Finger Lakes Trails for hiking. Ithaca itself is a small city of character and charm, located in the heart of the Finger Lakes Region. You will find here the almost unique combination of a cosmopolitan atmosphere in a rural setting.



A Special Spirit

Cornell offers all these tangibles. It also provides some equally important intangibles. This is an exciting and vital place; Cornell is not a complacent institution. It began as a renegade, combining liberal and practical studies and expanding the traditional curriculum, and it has had a continuing history of academic innovation. As times and needs change, Cornell can and does adapt. Recent examples of such changes include the establishment of many new programs of study dictated by contemporary concerns, such as the Women's Studies Program and the Program in International Nutrition, the institution of the Freshman Seminar Program, changes in the grading procedures, and increased involvement of students in the policy- and decision-making processes through various University committees. The real tradition is that of continuing dedication to self-improvement and to excellence in all that is undertaken.

Cornell encourages the spirit and practice of academic freedom. The University's educational aims and programs are based largely on student choice, a philosophy which has real meaning because of the existing variety and flexibility. The undergraduate programs permit a significant amount of sampling and exploring as well as encouraging the selection of an area of interest and its pursuit in depth. This system does, of course, put great responsibility upon the students themselves—to become acquainted with available offerings and

facilities and to choose wisely according to needs and interests.

The effort is worthwhile as the University is responsive to student initiative. An example of a formal method of response to students' expressed interests is the mechanism that has been established to incorporate student-initiated courses into the College of Arts and Sciences curriculum. And every day there are hundreds of spontaneous, less formal responses to student probes and suggestions from faculty, counselors, and administrators.

Perhaps the single greatest advantage of education at Cornell is the variety of talented individuals—faculty, scholars, and students—asssembled in one place. They come from every state in the nation and scores of foreign countries, from public and private schools, from families rich and poor. Statistics cannot possibly give an accurate picture of the wealth of individual personalities and abilities present. Such a cosmopolitan mixture leads to myriad informal, unplanned, and unpredictable associations and influences. There are few places indeed where one could spend undergraduate years surrounded by a more diverse and interesting group, on a physically more attractive campus, with such a multitude of resources, and in an atmosphere that allows so much freedom to explore, to test, to create, to mature.

The Colleges and Schools

Undergraduate

Undergraduate instruction is offered in the following schools and colleges.

	<i>Approximate Undergraduate Enrollment</i>
<i>State-supported</i>	
New York State College of Agriculture and Life Sciences	2,930
New York State College of Human Ecology	1,130
New York State School of Industrial and Labor Relations	580
<i>Privately-supported</i>	
College of Architecture, Art, and Planning	420
College of Arts and Sciences	3,710
College of Engineering	2,270
School of Hotel Administration	630

Graduate

The following schools and colleges require a baccalaureate degree, except in a few special cases.

	<i>Approximate Enrollment</i>
Graduate School of Business and Public Administration	450
Graduate School	3,300
Law School	500
New York State College of Veterinary Medicine	300
Medical College	420
Graduate School of Medical Sciences	120

The Medical College and the Graduate School of Medical Sciences are located in New York City.

Students may also register in the Division of Summer Session and Extramural Courses and the Division of Unclassified Students.

Because of the size and diversity of the University, this *Announcement of General Information* is not intended to provide detailed information. Rather, it is intended to give the prospective student a broad picture of the University and the general nature of its major divisions. Each of Cornell's academic units publishes a detailed *Announcement* about its programs. These *Announcements* may be ordered by using the postcard attached to the back cover of this publication or writing to Cornell University Announcements, Research Park, Ithaca, New York 14850.

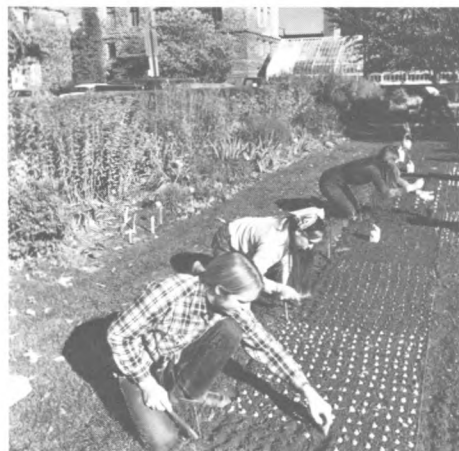


New York State College of Agriculture and Life Sciences

Confronted by a world whose natural resources are disappearing as its hungry population expands, where each decision made is interwoven with complex ecological, social, and economic implications, the College of Agriculture and Life Sciences has a clear and exciting mission: to increase our understanding of natural processes in the areas of agricultural sciences, biology, and the use of natural resources and the environment; to educate citizens for leadership in these areas; and to translate new knowledge into action for the well-being of the people, their agriculture, their resources, and the communities in which they live.

Few colleges in the world are so well equipped to participate in that challenging endeavor. The College has 14,200 acres for research and instruction, the second largest agricultural library in the world, eighteen major buildings, greenhouses, its own forest, experiment stations in Ithaca and Geneva, research farms, and other facilities across the state. Horticulturists, for example, have access to a 1,500-acre arboretum a stone's throw away. Not much farther off, the College has a 90-acre orchard for its students of pomology.

The College of Agriculture and Life Sciences has a distinguished faculty of 460 members. More than 40 percent of this number have taught or conducted research in foreign countries — much of it devoted to the agricultural problems of the developing nations.



The College's scientists have worked on such projects as developing self-renewing farms, where even cow manure is transformed into protein-rich foodstuff for livestock, odorless fertilizers, and methane gas that can be used to generate power or heat; studies of the delayed, but no less destructive, effects of pollution, such as acid rain; and raising peregrine falcons and bald eagles in captivity in order to restock the East where they have become extinct. Our students stand in the midst of such vital activities.

As a part of the State University of New York, the College is aligned with seventy-two other institutions in the state university system and has a special mission to reach and serve the people of New York State. As an integral part of Cornell University, it offers its students the enormous variety of cultural and intellectual activities of a large and vigorous university. But because the College itself has less than 3,000 undergraduates and 1,000 graduate students, it can still maintain the close, friendly environment of a small college.

Undergraduate Programs

More than fifty undergraduate specializations are offered in nine program areas:

- agricultural and biological engineering
- animal science
- applied economics and business management
- behavioral and social sciences
- biological sciences
- environmental studies
- food science
- plant sciences
- general and special programs



The options for study are unusually varied. Although entering students are asked to select one of the nine areas for concentration, undergraduates may take up to 50 percent of their courses in other divisions of the University.

By combining different areas of concentration within the College, or augmenting that study with courses in other University divisions, students can develop the traditional "major" into a unique program of study. To help them develop a program of study closely suited to their own personal interests and career objectives, new students are assigned an adviser in their selected program area.

Formal interdisciplinary opportunities have been incorporated into several specialized intercollege programs. For example, a student can major in agricultural engineering by registering in the College of Agriculture and Life Sciences for three years and with the College of Engineering in the fourth year. Or students may combine study in the College and the Graduate School of Business and Public Administration for their senior year, and then, after only five years, receive either a Master of Business Administration or Master of Public Administration degree. The College also offers a special program in food industry management in cooperation with the Graduate School of Business and Public Administration. Students completing preveterinary work in the College by the end of the junior year may qualify for admission to the College of Veterinary Medicine at that time.

For undergraduates interested in a different educational and cultural perspective and possible avenues for career development the College offers several study-abroad programs in coordination with universities in England, Ireland, Mexico, and Sweden.

Diverse opportunities for careers in business, industry, government, education, research, and commercial agriculture, or for graduate or professional study, exist for graduates of the College. Advisers, professional and student counselors, and career placement services, all seek to help students as they make important choices for the future.

Graduate Programs

The faculty and departments of the College offer advanced instruction in several disciplines leading to the degrees of Master of Arts, Master of Arts in Teaching, Master of Professional Studies (Agriculture), Master of Professional Studies (Communication Arts), Master of Science, Doctor of Education, and Doctor of Philosophy. Detailed information is available in the *Announcement of the Graduate School*, which may be obtained by using the postcard at the back of this book or by writing Cornell University Announcements, Research Park, Ithaca, New York 14850.

For More Information

Additional information about the College may be found in *Agriculture and Life Sciences at Cornell*, obtained by using the postcard at the back of this book; writing to Cornell University Announcements, Research Park, Ithaca, New York 14850; or writing to Director of Admissions, College of Agriculture and Life Sciences, Cornell University, 195 Roberts Hall, Ithaca, New York 14853 (telephone 607/256-2036).

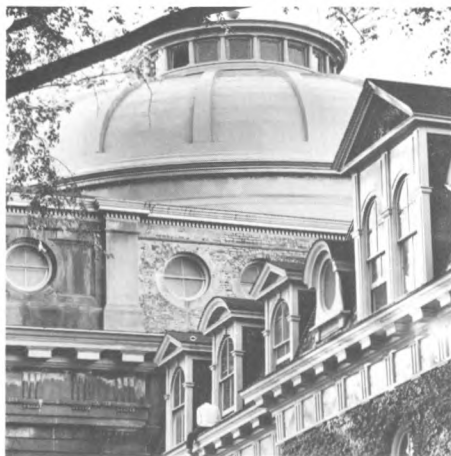


College of Architecture, Art, and Planning

Architecture

Architects are continually assuming a wider range of responsibilities for problems of the built environment and for improving the habitat of people. The concerns of regional ecology, the application of the social sciences, the evolution of design philosophies and methodologies, and the emergence of new roles for the designer all present special challenges to architecture study and practice.

The College is convinced that breadth is an essential element of undergraduate education and the professional concentration of courses within the College is balanced by the wider view gained from study in other divisions, to establish a broad understanding of human values and social problems as well as the theoretical and technical base of professional competence. The professional courses themselves explore a wide range of architectural issues and scales of involvement and provide the opportunity to develop a particular emphasis that may become the basis for specialized studies at the graduate level.



The course of study leading to the degree Bachelor of Architecture normally requires five years. After a two-year introduction to the field, students may depart from the professional program and develop a concentration in some area of the broader discipline. The nonprofessional program leading to the Bachelor of Fine Arts degree after four years of study is offered in history of architecture and urban development and design communications; and leading to the Bachelor of Science degree, also after four years of study, is offered in city and regional planning.

Through special planning of their fifth-year program, students in the professional architecture program may be able to complete the requirements for the first year of one of the two-year graduate programs offered in the College.

Art

The undergraduate curriculum in art, leading to the Bachelor of Fine Arts degree, provides an opportunity for students to combine a general liberal education with the studio concentration required for a professional degree. During the first year, all students follow a common course of study designed to provide a broad introduction to the arts and provide a basis for the intensive studio experience in painting, sculpture, photography, and graphic arts of the last three years. Studio courses occupy approximately one-half the students' time during the four years; the remainder is devoted to a diversified program of academic subjects with a generous provision for electives. All members of the faculty of the Department of Art are

active practicing artists whose work represents a broad range of expression.

Further information about undergraduate study in architecture, art, and planning is contained in the *Announcement* of the College, obtained by using the postcard at the back of this book or by writing Cornell University Announcements, Research Park, Ithaca, New York 14850.

Graduate Programs

The College of Architecture, Art, and Planning offers graduate-level programs in:

- art
- architectural design and urban and regional design
- architectural sciences
- history of architecture and urban development
- preservation planning
- city and regional planning and related programs
- landscape architecture

For further information about these graduate programs consult the *Announcement of the Graduate School*, which may be obtained by using the postcard at the back of this book or contact the Office of the Dean, College of Architecture, Art, and Planning, Cornell University, Sibley Hall, Ithaca, New York 14853.



College of Arts and Sciences

The College of Arts and Sciences is the home of those departments that teach and study the subjects collectively known as the liberal arts — the basic sciences, social sciences, the humanities, and the expressive arts. The variety and richness of the curriculum is extraordinary; there is no course which all freshmen must take, and there are several hundred from which they may choose. The College faculty does, however, believe that there should be a recognizable pattern to each student's education.

That pattern includes real familiarity with several different modes of thought: the examination of the natural world using the physical sciences; the study of human

behavior and historical process through the social sciences; and the main achievements of intellect and imagination, including the principles and predicaments from which they developed, that are the focus of the humanities and the expressive arts. By thinking carefully and writing frequently about these matters, students develop the power of creative thinking and the ability to speak and write well. These are the skills that are most fundamental to excellence in any career or profession, and they are in many ways the best training for any occupation.

To accomplish these objectives the College asks its students to take two related courses in one subject chosen from each of the following categories: (1) the physical or biological sciences, (2) the social sciences or history, and (3) the humanities or expressive arts. Students are also encouraged to study mathematics, but they may instead choose an area not used to fulfill another requirement.

So that students may develop their skills in writing English prose the College has developed a Freshman Seminar program, which also ensures that every incoming student experiences the individual attention and informal discussion that small classes provide. There are more than one hundred different seminars, offered by over twenty departments in the humanities and social sciences, from which students may choose.

Foreign language study is another essential part of a liberal education, since it opens the way to the larger world, and affords cultural perspective — a way of recognizing the arbitrariness of those thought and language patterns which, in our isolation, we sometimes

take for fixed realities. The College looks for proficiency in one language or basic competence in two.

Because of advanced placement credits many students find that their preparation has already carried them beyond the College requirements in one or more of these areas. It is important to remember that no single course is required of anyone, and that the range and variety of courses ensures that every student is free to develop an interesting, creative, and highly individual program.

In their last two years, students devote roughly one-half their time to acquiring depth and competence in a major subject. The choice of a major is not intended to be the choice of a lifetime's occupation, although it may become that. By selecting one field of interest students can do advanced work and in the process, by bringing to bear the full extent of their imaginative and intellectual capacities on something they care about, develop critical skills and flexible habits of mind that have wide-ranging application.

Students also continue intellectual exploration by taking course electives not related to the major. Courses may be taken outside the College and students sometimes use these credits to gain practical training in other divisions of the University. Although students are ultimately responsible for their own education, each student is assigned both a faculty and a student adviser and has recourse to other sources of information and advice on campus and in the College itself. This help is offered (but never imposed) so that the student may construct an integrated and innovative program.





The faculty of the College includes some of the world's most distinguished scientists, scholars, and creative artists. They bring the excitement and perplexities of current research into the classroom. Students have opportunities to work with their professors on research projects and to discuss major issues both in and outside class. The spontaneous, unplanned opportunities for interaction among faculty, students, and visiting scholars can be one of the great advantages of a college education.

Students are offered a wide choice of fields for major study:

- Africana studies
- American studies
- anthropology
- archaeology
- Asian studies
- biological sciences
- biology and society
- chemistry
- Classics
- dance
- economics
- English
- French
- geological sciences
- German
- German area studies
- government
- Greek
- history
- history of art
- Italian
- Latin
- linguistics

- mathematics
- music
- Near Eastern studies
- philosophy
- physics
- psychology
- romance studies
- Russian
- Russian and Soviet studies
- social relations
- sociology
- Spanish
- theatre arts

Additional programs and areas of concentration include:

- ancient Mediterranean studies
- astronomy
- biochemistry
- botany
- Chinese
- comparative literature
- computer science
- ecology, systematics and evolution
- genetics and development
- human biology
- international studies
- Japanese
- Jewish studies
- Latin American studies
- law and society
- medieval studies
- neurobiology and behavior
- physical biology
- physiology
- population studies
- religious studies
- science, technology, and society
- social psychology



- Southeast Asian studies
- urban studies
- women's studies

Individual programs may be constructed through the College Scholar and Independent Major Programs (see p. 41).

Students interested in the College of Arts and Sciences should request the *Announcement* of that College. Those interested in graduate study should consult the *Announcement of the Graduate School*. Either of these publications may be obtained by using the postcard at the back of this book or by writing Cornell University Announcements, Research Park, Ithaca, New York 14850.



College of Engineering

At Cornell, engineering programs prepare students for careers in technological areas and also for advanced work in a wide range of scientific, professional, business, and interdisciplinary fields.

The four-year program, which leads to the Bachelor of Science degree, provides a broad educational background as well as a foundation in science, mathematics, and engineering. Cornell also offers graduate programs in engineering and applied science leading to the professional degree of Master of Engineering in any of eleven fields of engineering, or to the general degrees of Master of Science and Doctor of Philosophy.

All undergraduate engineering students are enrolled in the Division of Basic Studies for their freshman and sophomore years and then enter a specialty field or develop an individualized, often interdisciplinary program of study. Each curriculum includes at least 40 percent elective courses, some in liberal studies, some in technical subjects, and some unrestricted.

Among well-defined majors offered by the College are the following field programs:

- chemical engineering
- civil and environmental engineering
- computer science
- electrical engineering
- engineering physics
- geological sciences
- materials science and engineering
- mechanical engineering
- operations research and industrial engineering

A program in agricultural engineering is arranged by enrollment in the College of Agriculture and Life Sciences for the first three years and in the College of Engineering for the fourth year.

There is considerable opportunity for the development of individualized curricula within the field programs, but for students whose interests or career goals are not met by one of these programs, there is the additional option of an individually structured College Program. Students in the College Program may combine two engineering disciplines or augment their engineering education with study in such areas as the physical or social sciences, biology, architecture, city and regional planning, and ecology and conservation. Certain partially structured College Programs are sponsored by some of the engineering departments. These are in the areas of energy conversion, engineering science, environmental and public systems, and regional science.

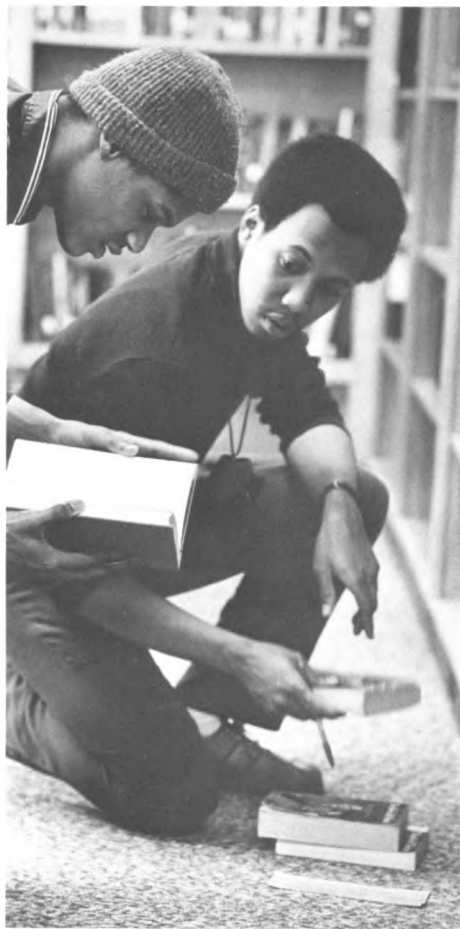
Special programs available to engineering students include the Engineering Cooperative Program, which provides for periods of employment in industry during the undergraduate years without delaying graduation. Each co-op student gains valuable work experience with one of about fifty-five participating companies. Another special program provides financial aid and counseling services for minority-group students. Also, there is an active plan to facilitate the entry of transfer students from two-year colleges, as well as from other four-year colleges.

After receipt of the Bachelor of Science degree, many Cornell engineering students

continue their studies at the graduate level. The largest number enters the College's Master of Engineering degree program, which offers curricula that are integrated with upper-class majors and so provides professional education in an overall five-year course of study. Other graduates enter general graduate degree programs in some branch of engineering or applied science through the Cornell Graduate School or at other universities. Some elect to prepare for careers in nonengineering fields such as business, education, law, and medicine.

The Cornell Master of Engineering (M.Eng.) degree, with field designation, is the professional engineering degree awarded by the University. It is designed primarily for those who wish to practice an engineering specialty,





but it also provides a practical base for further graduate study in Ph.D. programs in applied science and engineering. The M.Eng. degree may be taken in any of the following areas: aerospace, agricultural, chemical, civil, electrical, materials, mechanical, or nuclear engineering; operations research and industrial engineering; engineering mechanics; and engineering physics. For this degree, a design project rather than a thesis is required.

Acceptance into the Master of Engineering degree program is generally accorded a baccalaureate graduate of the Cornell College of Engineering if the student has a cumulative grade-point average of at least 2.5. Graduates of schools other than Cornell must provide a transcript showing completion of an accredited engineering program or its equivalent, two letters of recommendation, and a statement of academic purpose.

Application forms may be obtained by writing to Graduate Professional Engineering Programs, Cornell University, 323 Upson Hall, Ithaca, New York 14853.

The M.S.-Ph.D. degree program is organized into graduate fields of instruction. The fields that may be of interest to engineering students include: Aerospace Engineering, Agricultural Engineering, Applied Mathematics, Applied Physics, Chemical Engineering, Civil and Environmental Engineering, Computer Science, Electrical Engineering, Geological Sciences, Materials Science and Engineering, Mechanical Engineering, Nuclear Science and Engineering, Operations Research, Theoretical and Applied Mechanics, and Water Resources.

A baccalaureate or equivalent degree from a college or university of recognized standing is required for admission into the M.S.-Ph.D. program in engineering. Application should be made through the Graduate School. In addition, it is advisable for prospective students to correspond with the professor who is the graduate faculty representative in the subject area of interest.

More detailed information about undergraduate study in engineering is contained in the booklet *Engineering at Cornell. Graduate Study in Engineering and Applied Science* and the *Announcement of the Graduate School* provide more information about graduate study in engineering. These publications may be obtained by using the postcard at the back of this book or writing to Cornell University Announcements, Research Park, Ithaca, New York 14850.



School of Hotel Administration

The School of Hotel Administration offers training in the numerous disciplines required for modern management, including accounting, finance, marketing, operations, and human resources development. The School's graduates hold executive positions in a variety of industries, but are especially well represented in the management of hospitality-related enterprises, such as hotels, motels, condominiums, clubs, and restaurants.

Students are encouraged to pursue a broad range of courses, including those in the humanities, as preparation for assuming their places in the business community. All students are required to master a nucleus of selected courses, which over the years have proved essential to the proper training of a successful manager. Included in this basic curriculum are courses in financial management, food and beverage operations, administration, and physical plant management. The courses are technical in nature, requiring a command of quantitative techniques, but they also present broad concepts applicable to the varied situations encountered in the commercial world.

The course of study covers four academic years and leads to the Bachelor of Science degree.

Students receive practical training through the operation of the Statler Inn, a practice hotel on the University campus containing rooms for transient guests, banquet facilities, service restaurants, and cafeterias. A very successful work-study program also provides



management internships for academic credit in selected organizations away from the campus.

Graduate study in the School leads to the Master of Professional Studies (Hotel Administration), Master of Science, or Doctor of Philosophy degree. More detailed information is available in the *Announcement of the School of Hotel Administration* and the *Announcement of the Graduate School*. These publications may be obtained by using the postcard at the back of this book or by writing to Cornell University Announcements, Research Park, Ithaca, New York 14850.

Requests for further information regarding the undergraduate program should be addressed to the Admissions Office, School of Hotel Administration, Cornell University, Statler Hall, Ithaca, New York 14853.





New York State College of Human Ecology

Students in the College of Human Ecology at Cornell University complete undergraduate and graduate programs that lead to careers in human problem-solving. Building on study in the traditional disciplines of the biological, physical, and social sciences and design, these programs investigate the mutual interaction of individuals and environments. Through analysis of the family, the community, and society, students of human ecology study in fields of importance to contemporary life: nutrition and health, housing and environmental design, the consumer in the marketplace, human growth and development, the stability of the family, the effectiveness and efficiency of social service systems, and the impact of technology on human well-being.

The undergraduate curriculum leads to a Bachelor of Science degree in human ecology from Cornell University. While a considerable part of the curriculum involves course work in the College, students find that graduation requirements and elective opportunities take them into courses in other colleges of the University.

Undergraduates select from among twenty-one areas of concentration grouped in six main areas:

Consumer Economics and Housing —
consumer economics, housing

Design and Environmental Analysis —
apparel design, human environment relations,
interior and product design, textiles

Human Development and Family Studies — cognitive, personality and social development (from infancy through adolescence), family studies, atypical development

Human Service Studies — community and family life education, social work

Nutritional Sciences — clinical nutrition, community nutrition, consumer food and nutrition, consumer food science, nutritional biochemistry, dietetics

Social Planning and Public Policy — an interdepartmental program

Students have until the end of the sophomore year to choose their area of concentration. An individualized curriculum is possible, but students seeking this avenue must have high commitment to a clear educational goal if this option is to serve them well.

There is ample opportunity to build a bachelor's program based on traditional concepts of liberal education combined with a program of study directed toward a specific professional career. A special quality of many of the College programs is that they require some study outside the traditional classroom, laboratory, and library setting of the campus. Human ecology emphasizes field study as part of the commitment to provide students with a framework for developing a systematic understanding of social systems and problems.

Certain areas of concentration carry students directly along a professional career path. The College of Human Ecology has one of the first accredited undergraduate social

work programs. It also has a nationally recognized innovative course of study leading to certification in home economics teaching. Nutrition majors interested in dietetics can take a well-planned curriculum that fulfills the professional requirements of the American Dietetics Association.

Other areas of concentration are preprofessional in nature and provide a basis for further education and training in such fields as clinical psychology, childhood education, law, medicine, biology and biochemistry, textile chemistry, psychopathology, economics, sociology and social psychology, business and public administration, public health, clinical nutrition, communication, environmental design and analysis, social work, community education, public policy, and human development.

The pragmatic student will find in human ecology a wide set of options and a broad education that the highly professional schools cannot provide. The student with very clear career goals in business, education, public service, and research will find opportunities for purposeful study that fit those goals. Students who are less certain about their career path but who know that they are interested in a liberal education that has a clear focus on human service will find human ecology an appropriate college choice.

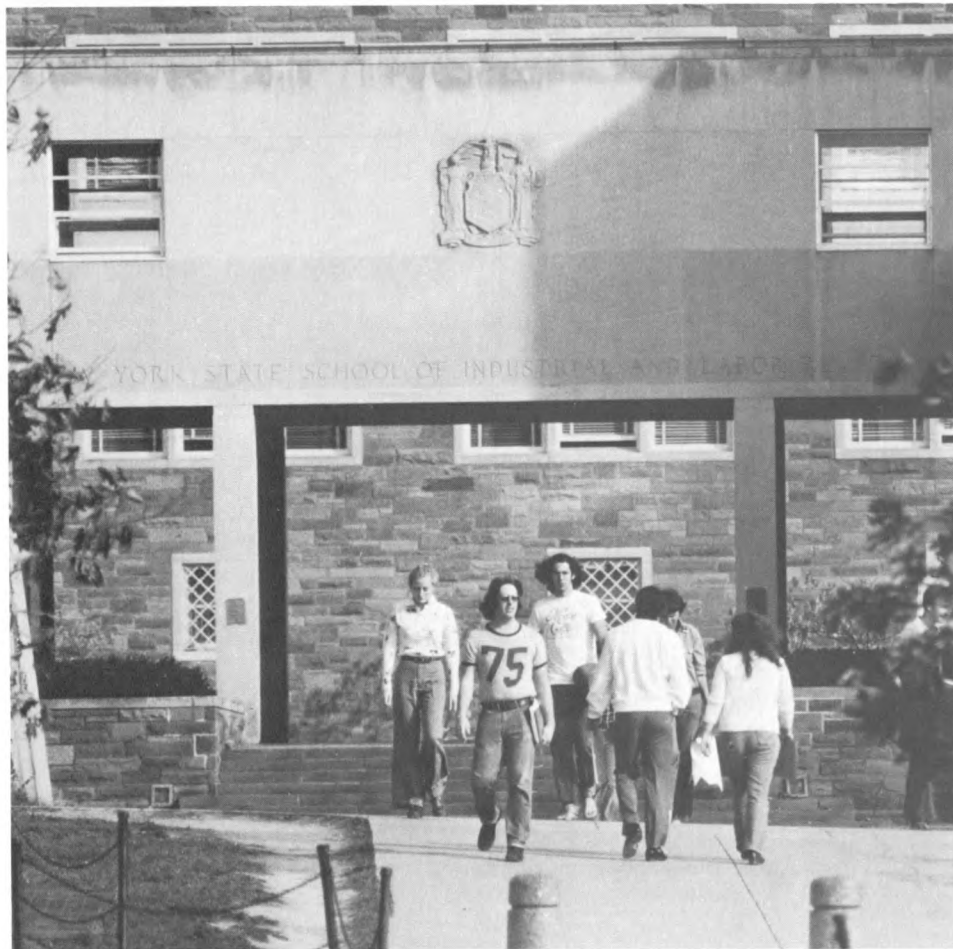
As a college dedicated to training for problem solving in both the public and private sectors, human ecology feels a special obligation to consider the outcomes of its educational programs in terms of career opportunities for its students. A fair percentage of its graduates (about 51 percent) go directly

from graduation into the work force. About one-fourth go on to higher education. Almost 13 percent have not resolved their next career step by the fall after they graduate. A sampling of positions taken by graduates in the last five years tells a more characteristic story.

In the world of business and industry, graduates have held such job titles as consumer education specialist, financial analyst, public relations assistant, textile chemist, and pension administrator. In the field of education they have taken positions such as education research director, college counselor, Cooperative Extension agent, and college student life director. In government they have been hired to do service as therapeutic dietitian, youth division counselor, hospital drug researcher, public health counselor, and state personnel analyst.

Inquiries about the undergraduate programs may be addressed to the Director of Admissions, College of Human Ecology, Cornell University, Martha Van Rensselaer Hall, Ithaca, New York 14853.

Graduate study in the College, offered through all departments, leads to either the master's or the Ph.D. degree. Detailed information is available in the *Announcement of the Graduate School*, which may be obtained by using the postcard at the back of this book or writing the Associate Dean for Graduate Education and Research, College of Human Ecology, Cornell University, Martha Van Rensselaer Hall, Ithaca, New York 14853.



New York State School of Industrial and Labor Relations

The School of Industrial and Labor Relations offers professional study in its field for both undergraduate and graduate students. The curriculum is designed to prepare men and women for careers in personnel and union-management relations work with business and industry, labor organizations, and state and federal government agencies. It also offers preparation for graduate study in the fields of law, education, business, psychology, sociology, economics, history, political science, international affairs, and other fields concerned with contemporary social, economic, urban, and political problems.

To develop an understanding of modern industrial society, the curriculum provides a broad base in the social sciences and a core of course work in industrial and labor relations, complemented by general electives in the humanities. The freshman and sophomore years consist mainly of required courses, offered by the School and the College of Arts and Sciences. Upperclass students are free to pursue elective studies, about evenly divided between courses offered by the School and by other divisions of the University.

Undergraduates wishing to prepare for graduate work in one of the basic social sciences may use out-of-School electives to establish an informal minor in economics, government, history, psychology, sociology, business, or communications. Advanced



industrial and labor relations electives are chosen from the offerings of the following departments in the School:

Collective Bargaining, Labor Law, and Labor History

Economic and Social Statistics

International and Comparative Labor Relations

Labor Economics

Organizational Behavior

Personnel and Human Resource Management

Internships of varying lengths are available during the academic year and in the summer months through the School. Students may confirm their interests in collective bargaining, legislative and policy formation, arbitration,

education and training, union administration, personnel management, or research.

In recent years, slightly more than half of the School's graduating class interviewed on campus for entry-level positions as labor relations specialists, personnel management trainees, and industrial relations assistants. Graduating students have located positions as union organizers, trainers, and researchers through networks of people familiar with the School and its graduates.

Undergraduate study leads to the Bachelor of Science degree and graduate study leads to either the master's or the doctoral degree.

Further information is contained in *ILR at Cornell* and *Graduate Study at ILR*, obtained by using the postcard at the back of this book or writing to Cornell University Announcements, Research Park, Ithaca, New York 14850; or write Director of Admissions, Office of Resident Instruction, School of Industrial and Labor Relations, Cornell University, 101 Ives Hall, Ithaca, New York 14853.



Graduate Units

Graduate study at Cornell is pursued through the Graduate School, which administers the many graduate fields of study, and through the various graduate professional schools and colleges.

Graduate School

The graduate program at Cornell permits an unusual degree of accommodation to the needs and interests of the individual student. Degree requirements are kept to a minimum. There are no specific course-hour requirements for the advanced general degrees of Master of Arts, Master of Science, and Doctor of Philosophy but only such general requirements that best accomplish the aim of graduate study: a period of study in residence, the mastery of some one subject, adequate acquaintance with allied subjects, oral examinations to establish competency for presentation of a thesis, and a satisfactory thesis. Certain advanced professional degree programs have specific course-hour requirements; these are announced by the faculty of the professional school or college in which the degrees are offered.

A close working relationship with faculty is essential to the graduate program at Cornell. Under the Special Committee system, the student is guided by and works with at least two or three faculty members, chosen by the student to represent his or her major and minor subjects. The major subject representative is the chairperson of the Special Committee and usually has the primary responsibility for directing the student's thesis research.

Students wishing to use the University's facilities for intensive specialized training only, and who do not wish to become degree candidates, may apply for admission as non-degree candidates.

Requirements for Admission

To be admitted to the Graduate School an applicant should

1. hold a baccalaureate degree granted by a faculty or university of recognized standing or have completed studies equivalent to those required for a baccalaureate degree at Cornell;
2. have adequate preparation for graduate study in the chosen field of instruction;
3. have fluent command of the English language;
4. present evidence of promise in advanced study and research; and
5. have a combined score of 1200 in the Aptitude Tests of the Graduate Record Examinations for those fields which require the GRE.

Students from United States colleges and universities should be in the top third of their graduating class.

Applications for admission to the Graduate School may be submitted at any time throughout the year. Many fields, however, require that applicants for fall admission submit their completed applications by January 15.

Applicants who are simultaneously applying for fellowship consideration must submit their

completed applications and supporting credentials by January 15.

Inquiries regarding admission and fellowships should be addressed to the Dean of the Graduate School, Cornell University, Sage Graduate Center, Ithaca, New York 14853.

Inquiries regarding facilities for advanced study and research in a given field, special requirements for such study and research, and opportunities for teaching and research assistantships should be addressed to the graduate faculty representative in the particular field.

Information concerning admission requirements and courses of study for professional degrees may be obtained from the several schools and colleges which administer them.

Programs leading to the degrees of Doctor of Law (J.D.), Doctor of Medicine (M.D.), Doctor of Veterinary Medicine (D.V.M.), Master of Business Administration (M.B.A.), Master of Public Administration (M.P.A.), and Master of Professional Studies in Hospital and Health Services Administration (M.P.S. (H.H.S.A.)) are not administered by the Graduate School. Information on those programs can be obtained from the Law School, the Medical College (New York City), the College of Veterinary Medicine, and the Graduate School of Business and Public Administration, respectively.

For further information see the *Announcement of the Graduate School*, which may be obtained by using the postcard at the back of this book or by writing to Cornell University Announcements, Research Park, Ithaca, New York 14850.

Graduate School of Business and Public Administration

The Graduate School of Business and Public Administration prepares men and women for managerial careers in private business, public service, and health care. The School offers course work in many disciplines to provide potential business, public, and health managers with an understanding of the complexities of the external environment in which they will operate and of the internal workings of the organizations of which they will become a part.

In most cases, a bachelor's degree or its equivalent is required for admission to the two-year program leading to the Master of Business Administration (M.B.A.), Master of Public Administration (M.P.A.), or Master of Professional Studies (Hospital and Health Services Administration) — M.P.S. (H.H.S.A.) degree. Over half of the students have a background of undergraduate studies in arts and sciences and about one-quarter in engineering. One-half of the students begin their graduate training immediately after receiving their bachelor's degrees and the remaining half following military or work experience.

There are combined degree programs for highly qualified students in the undergraduate divisions, which allow them to register in the School during their senior year, earning a master's degree in less than the usual time.

The Doctor of Philosophy program, administered through the Graduate School, provides an advanced and comprehensive education in administration, primarily for those



who seek careers in teaching and research.

More detailed information about these programs is available in the *Announcement of the Graduate School of Business and Public Administration*, obtained by using the postcard at the back of this book. Application forms and the *Announcement* may be obtained by writing the Director of Admissions and Student Affairs, Graduate School of Business and Public Administration, Cornell University, Malott Hall, Ithaca, New York 14853.



Law School

The primary function of the Law School is to prepare attorneys for both public and private practice who are equipped to render skillful professional service and who are thoroughly conscious of the important role played by the law as a means of social control. The curriculum is designed to prepare students for admission to the bar in all American states and territories.

Ordinarily a student who is admitted to the Law School must have a baccalaureate degree from an approved college or university. The course of study leading to the degree of Doctor of Law (J.D.) covers three academic years. A limited number of students will be



admitted to a program of study leading to the degree of Doctor of Law (J.D.) "with specialization in international affairs."

There are combined graduate degree programs with the Graduate School of Business and Public Administration, the Department of City and Regional Planning, and the School of Industrial and Labor Relations, as well as a special opportunity for highly qualified undergraduates in the College of Arts and Sciences to register in the Law School during their senior year.

The graduate program of the Cornell Law School is a small one, to which only a few students are admitted each year. The LL.M. degree (Master of Laws, Legum Magister) and the J.S.D. degree (Doctor of the Science of Law, Jurisprudentiae Scientiae Doctor) are conferred. A small number of law graduates may also be admitted as special students, to pursue advanced legal studies without being degree candidates.

Requests for further information should be addressed to the Director of Admissions, Cornell Law School, Myron Taylor Hall, Ithaca, New York 14853.

New York State College of Veterinary Medicine

The College of Veterinary Medicine offers a professional program which requires four years of full-time academic and clinical study of the normal and abnormal structure and function of the animal body and the diagnosis, treatment, and prevention of animal disease.

Graduates of the College receive the Doctor of Veterinary Medicine (D.V.M.) degree, which is recognized by licensing boards throughout the world. Graduates generally enter private practice or become engaged in an increasing number of other biomedical activities.

Admission requires a minimum of three years of college work, including specific prerequisite courses and experience. In exceptional cases, outstanding students who have completed all of the prerequisites in two years of undergraduate education may be considered for admission. Applications must be filed approximately one year before the proposed matriculation date. The competition for admission is keen since there are many more qualified applicants than can be admitted. Postdoctoral training in pathology and clinical specialties is available to Doctors of Veterinary Medicine.

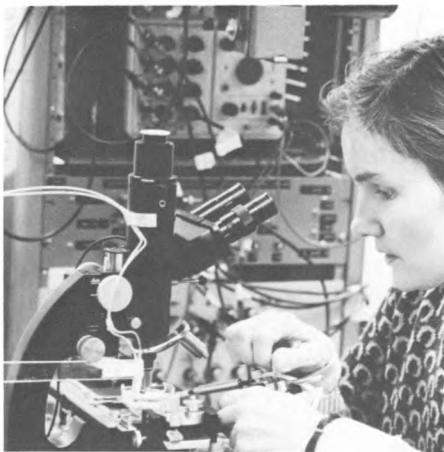
Graduate programs in veterinary and basic biological research are offered for Doctors of Veterinary Medicine and highly qualified holders of baccalaureate degrees which lead to the degrees of Master of Science, Doctor of Philosophy, or Doctor of Science in Veterinary Medicine.



Graduate programs in veterinary research and postdoctoral training in clinical specialties are open to Doctors of Veterinary Medicine and some highly qualified holders of baccalaureate degrees, and lead to the degree of Master of Science, Doctor of Science in Veterinary Medicine, or Doctor of Philosophy.

More detailed information is contained in the *Announcement of the College of Veterinary Medicine*, which may be obtained by using the postcard at the back of this book or writing to Cornell University Announcements, Research Park, Ithaca, New York 14850.





Medical College

Cornell University Medical College is located at the center of a large complex of medical institutions involved in teaching, research, and treatment on the east side of Manhattan in New York City.

The Medical College offers a four-year course of professional instruction leading to the degree of Doctor of Medicine and qualifying graduates for licensing examinations in all states and territories of the United States. Applicants for admission to the Medical College must have completed at least three years of undergraduate study at approved universities, colleges, or scientific schools. The first two years of the medical curriculum are devoted primarily to study of the basic sciences of anatomy, microbiology, pathology, physiology, biochemistry, public health, and pharmacology, but a number of hours are reserved for the clinical sciences (approximately 10 percent of total time) and electives (20 percent of total time). In addition, a number of interdisciplinary and interdepartmental conferences are offered. The last two years concentrate on training in the clinical sciences of internal medicine, neurology, surgery, pediatrics, psychiatry, and obstetrics and gynecology. The fourth-year program consists of electives selected by the student.

Cornell University Medical College is a component of The New York Hospital-Cornell Medical Center. In its teaching programs the Medical College is affiliated with and uses the clinical facilities of The New York Hospital, Memorial Sloan-Kettering Cancer Center, the

Hospital for Special Surgery, and the North Shore University Hospital.

Requests for information should be addressed to the Chairman, Committee on Admissions, Cornell University Medical College, 411 East 69 Street, New York, New York 10021.

Graduate School of Medical Sciences

The Graduate School of Medical Sciences offers programs leading to the degree of Doctor of Philosophy in the following fields: Biochemistry, Biological Structure and Cell Biology, Biology, Biomathematics, Biophysics, Genetics, Microbiology, Neurobiology and Behavior, Pathology, Pharmacology, and Physiology. The School also offers programs leading to the Master of Science degree in some of these fields. The faculty of the School is drawn from the basic science departments of Cornell University Medical College and from the units of its Sloan-Kettering Division. The research facilities of the Medical College and of the Sloan-Kettering Institute for Cancer Research are utilized in the graduate programs of the School. Requests for information should be addressed to the Graduate School of Medical Sciences, Cornell University Medical College, 1300 York Avenue, New York, New York 10021.

Business and Preprofessional Study

Undergraduate Business Study

Undergraduate study and preparation for business are found in many different schools and colleges at Cornell. Students most frequently take courses in more than one area, as well as in related fields, to construct a program to suit individual interests and career objectives. Each of the following areas provides a different focus for application and use of business study and training, and students should consider carefully the specific implications of each program when making a choice. (Graduate study is available in the Graduate School of Business and Public Administration as well as in graduate fields following each of the undergraduate options.)

The areas most often pursued include:

- applied economics and business management (Agriculture and Life Sciences)
- economics (Arts and Sciences)
- engineering
- hotel administration
- consumer economics and housing (Human Ecology)
- industrial and labor relations

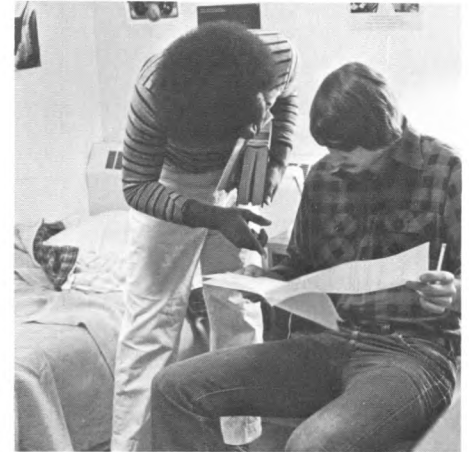
Applied economics and business

management provides instruction appropriate for both agricultural and nonagricultural use. Economics, marketing, finance, public affairs management, food industry management, resources management, and distribution processes are examples of specific areas available. There is greater emphasis on the application of these areas and less on the theoretical aspects of economic theory and

money, currency, and banking. (These subjects would be more easily pursued in the Department of Economics.)

Economics provides a broad view of that social science concerned with the description and analyses of the production, distribution, and consumption of goods and services, the understanding of monetary systems, and the comprehension of economic theories and models. It is more often viewed as preprofessional than as training for immediate practice in business or economics.

Engineering is an area of professional study that provides much of the management personnel of modern industry. Engineers frequently climb the ladders of technological





management, which then lead to more general management responsibilities — more than half of the management-level personnel of major corporations such as General Electric, Xerox, IBM, and DuPont have engineering degrees. In addition to becoming managers by being effective technical supervisors, many students enter engineering explicitly anticipating graduate business education, judging that an engineering background is particularly appropriate for management in a technology-oriented society.

Operations research and industrial engineering, one of the specific engineering departments, is particularly appropriate for those anticipating a business management career. The curriculum focuses on the design of integrated, cost-effective systems of people, materials, and equipment for manufacturing industries, public and private service organizations, and consulting firms.

Hotel administration is an undergraduate program that provides managers for the hospitality industry. Capability for management of motels, hotels, condominiums, restaurants, clubs, hospitals, and land and facility development is developed through instruction in personnel and general administration, financial management, food and beverage service, and communications. Students interested in the School of Hotel Administration must have developed an explicit awareness of and commitment to this area through work experience, reading, study, and discussions with industry representatives.

Consumer economics and housing has a particular focus on the economic behavior and welfare of consumers in the private, public, and mixed sectors of the economy, and has an option for special concentration on housing. It aims at the understanding of economics, sociology, and government policy as they apply to consumer problems.

Industrial and labor relations involves the study of the world of work, especially the employee-employer relationship in the broadest sense, including the political, social, and economic forces affecting that relationship. Graduates can pursue immediate employment in industry, government, and labor organizations, or choose graduate study in the ILR field or such related fields as law and business and public administration.

Related Areas

In addition to the major business programs, courses in directly related areas are found in many of the University departments. For example, quantitative methods may be studied in the Departments of Mathematics and Computer Science; courses in public administration are found in the Departments of Government and City and Regional Planning. There are additional special programs that allow students with an interest in business to focus their study on a particular geographic area. Examples are the Latin American Studies Program, the South Asia Program, and the Africana Studies and Research Center. Such interdisciplinary programs as Science, Technology, and Society and the various programs in international agriculture provide additional opportunities for study of interest to business students.



Combined Degree Programs

Because Cornell does have a Graduate School of Business and Public Administration, there exists here a special opportunity for highly qualified undergraduates to combine their undergraduate program with graduate study in that school. Students in such a combined degree program generally receive a bachelor's degree after four years of study and a Master of Business Administration, Master of Public Administration, or Master of Professional Studies (Hospital and Health Services Administration) degree after the fifth year of study, rather than the normal sixth year. Admission to these combined degree programs is limited to particularly promising candidates, and careful planning is required for successful integration of the work of the two degree programs.

Prelaw Study

Law schools do not prescribe any particular prelaw program; nor do they require any specific undergraduate courses as do medical schools. Law touches nearly every phase of human activity and there is practically no subject that can be considered to be of no value to the lawyer and no undergraduate course of study that can be judged as totally inappropriate. Prelaw students should, however, be guided by certain principles when selecting college courses.

1. Pursue personal intellectual interests. Interest encourages scholarship, and students will derive the greatest benefit from those studies that stimulate their interest.



2. Attempt to develop precision of thought. Of first importance to the lawyer is the ability to express thoughts clearly and cogently, both in speech and in writing. Courses in the Freshman Seminar Program, required of nearly all Cornell freshmen, are especially designed to develop these skills. English literature and composition and communication arts courses also serve this purpose. Logic and mathematics develop exactness of thought. Also of value are economics, history, government, and sociology, because of their close relation to law and their influence upon its development; ethics, because of its kinship to guiding legal principles; and philosophy, because of the influence of philosophic reasoning upon legal reasoning and jurisprudence. Psychology leads to an understanding of human nature and mental behavior. Some knowledge of the principles of accounting and of the sciences, such as chemistry, physics, biology, and engineering, is recommended and will prove of practical value to the lawyer in general practice in the modern world.

3. Study cultural subjects that, though they may have no direct bearing upon law or a legal career, will expand students' interests, help to cultivate a wider appreciation of literature, art, and music, and make better educated and well-rounded persons.

4. Consider the special utility of certain subjects to specialized legal careers. For some, a broad scientific background — for example in agriculture, chemistry, physics, or engineering — when coupled with training in law, may furnish particular qualifications necessary for specialized work with the

government, counseling certain types of businesses, or for a career as a patent lawyer. A business background may be helpful for those planning to specialize in corporate or tax practice. Students who anticipate practice involving labor law and legislation might consider undergraduate study in the School of Industrial and Labor Relations. But whatever course of study you choose at Cornell, the important tasks are to acquire perspective, social awareness, and a critical cast of mind; to develop the ability to think logically and analytically and to express your thoughts clearly and forcefully. These are the crucial tools for a sound legal education and successful career.

Dual Registration

The presence of the Cornell Law School on campus provides the opportunity for a limited number of highly qualified undergraduates registered in the College of Arts and Sciences at the University to be admitted to the Law School. At the time of entry they must have completed 105 of the 120 credits required for the A.B. degree, including 92 credits of course work in the College of Arts and Sciences.

Premedical Study

Medical and dental schools, while not prescribing any particular major course of study, do require that a particular selection of undergraduate courses be completed. These requirements include one year of general chemistry and one year of organic chemistry, one year of biology, one year of physics, one year of mathematics, and one year of English composition or a Freshman Seminar course. In addition, those premedical students who elect a nonscience major are advised to take at least one advanced biological science course, such as genetics, embryology, histology, or physiology.

There is no "best" major program for those considering medical or dental school, and students are therefore encouraged to pursue their own intellectual interests. Students are more likely to succeed at and benefit from subjects that interest and stimulate them and there is no evidence that medical colleges give special consideration to any particular undergraduate training beyond completion of the required courses. In the past at Cornell, most successful applicants to medical and dental schools have been enrolled primarily in the Colleges of Arts and Sciences and Agriculture and Life Sciences, with some also in the Colleges of Engineering and Human Ecology. The appropriate choice depends to a great extent upon the student's other interests.



Dual Registration Programs

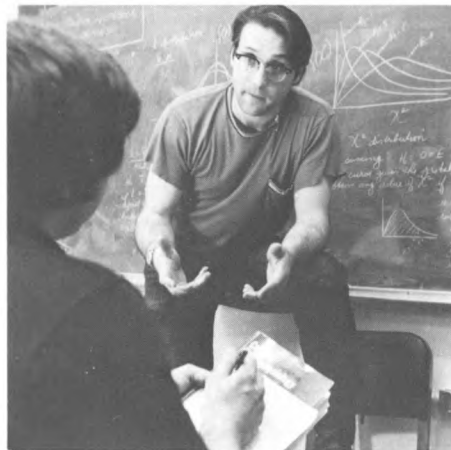
Qualified students in the Colleges of Agriculture and Life Sciences and Arts and Sciences may apply for acceptance into a dual registration program arranged between Cornell University and the Upstate College of Medicine at Syracuse. Students from these two colleges and the College of Human Ecology are eligible for a similar program arranged with the Cornell Medical College in New York City. Both programs allow registered students to save one year in pursuit of the bachelor's and M.D. degrees. Further information about these programs is available from the Health Careers Program Office at the Career Center, 14 East Avenue.



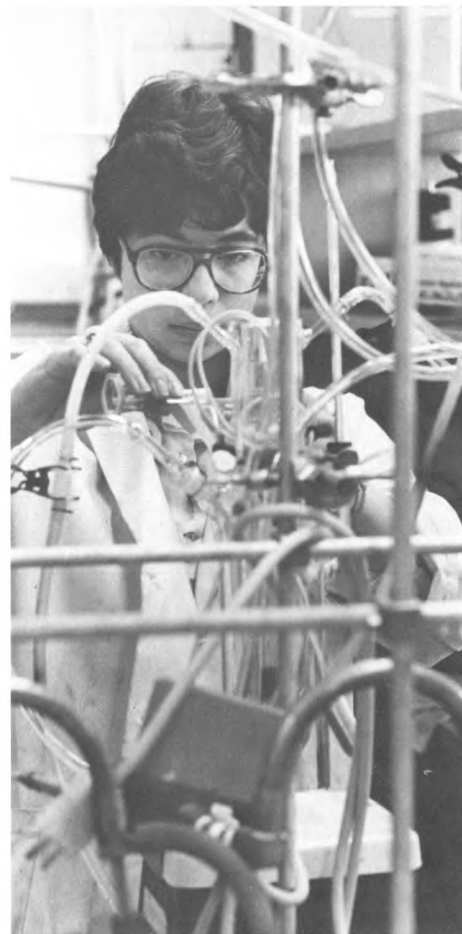
Preveterinary Study

There is no specific preveterinary program at Cornell and students interested in veterinary medicine as a career objective should select an area for study that fits their interests while at the same time meeting the entrance requirements for veterinary college listed below. Most prevet students enroll in the College of Agriculture and Life Sciences. However, because of the statutory nature of that division, out-of-state candidates will find it extremely difficult to gain acceptance into the biological sciences or animal sciences program of that college. These and other students, because of their secondary interests or desire for a broader undergraduate curriculum, often enter other divisions of the University, especially the College of Arts and Sciences.

The college-level prerequisite courses for admission to the New York State College of Veterinary Medicine at Cornell are: one year each of English, biology, physics, and general chemistry; six credits of organic chemistry; four credits of biochemistry; and three credits of microbiology. All science courses must include a laboratory. The College also requires demonstrated proficiency in written and spoken English and encourages college-level work in mathematics. These requirements, necessary for admission to the Cornell College of Veterinary Medicine, may vary slightly among other veterinary colleges.



For information on additional preparation, including work experience and necessary examinations, students should consult the *Announcement of the College of Veterinary Medicine*. This publication may be obtained by using the postcard at the back of this book or by writing to Cornell University Announcements, Research Park, Ithaca, New York 14850.



Divisions

Division of Biological Sciences

The Division of Biological Sciences is organized to provide a unified curriculum for undergraduate majors enrolled in either the College of Agriculture and Life Sciences or the College of Arts and Sciences. Courses in biological sciences are also an integral part of many disciplines today and a basic requirement for areas of study in many schools and colleges of Cornell.

The biological sciences program stresses the importance of a firm foundation in the basic sciences and prepares the student for a career in one of the many areas and applications of modern biology. Freshmen and sophomores in the process of completing the required prerequisites may be admitted to the major on a provisional basis. Final admission to the major requires satisfactory performance in the completion of one year of introductory biology for majors, one year of general chemistry, one year of college mathematics (including at least one semester of calculus), and at least one semester of organic chemistry. In addition a 2.75 Cornell cumulative grade-point average is required except for those students admitted directly to the major as freshmen (College of Agriculture and Life Sciences students only) and transfers. A student is not encouraged to undertake a major in biological sciences unless performance in the above four subjects gives evidence of capacity to do superior work at a more advanced level.

Students accepted into the biological sciences major must choose one of the

following concentration areas: animal physiology and anatomy; biochemistry; botany; cell biology; ecology, systematics and evolution; genetics and development; neurobiology and behavior; or an independent concentration designed by the student and approved by the Division of Biological Sciences Curriculum Committee. Alternatively, students may complete the Program in General Biology designed for those who do not want to concentrate in one particular area of biology.

A brochure describing the biological sciences specialization in more detail is available from the admissions offices of the College of Agriculture and Life Sciences and the College of Arts and Sciences.

Graduate study in the biological sciences is administered by more than a dozen specialized fields within the Graduate School. More detailed information about graduate study is contained in the *Announcement of the Graduate School*, which may be obtained by using the postcard at the back of this book or writing to Cornell University Announcements, Research Park, Ithaca, New York 14850.

Division of Nutritional Sciences

The Division of Nutritional Sciences is an intercollege unit administered jointly by the Colleges of Agriculture and Life Sciences and Human Ecology, which coordinates and unifies undergraduate teaching, research, and Cooperative Extension activities related to human nutrition.

Students are admitted to the undergraduate major through the College of Human Ecology and must meet the admission and general graduation requirements of that college. Basic course work in the biological and physical sciences, social sciences, communications, and the humanities, as well as professional courses in nutritional science, is taken by all majors. This common core of basic disciplines provides the foundation for a concentration of advanced courses in the options of community nutrition, clinical nutrition, nutritional biochemistry, consumer food science, or consumer food and nutrition.

Graduate study in nutrition is administered by the graduate Field of Nutrition and leads to the Master of Science, Master of Nutritional Science, or Doctor of Philosophy degree. Graduate students may major in human nutrition, general nutrition, international nutrition, foods, and nutritional biochemistry. The research interests of the faculty cover both the social science and biological science aspects of nutrition.

More detailed information about graduate study in nutrition is contained in the *Announcement of the Graduate School*, which may be obtained by using the postcard at the back of this book or writing to Cornell University Announcements, Research Park, Ithaca, New York 14850.

Officer Education (ROTC)

As a land-grant institution chartered under the Morrill Act of 1862, Cornell has offered instruction in officer education for more than one hundred years. Instruction is provided by the Department of Military Science (Army ROTC programs), the Department of Naval Science (Naval ROTC programs), and the Department of Aerospace Studies (Air Force ROTC programs).

Men and women have the opportunity, through these programs, to earn a commission while completing requirements for an academic degree. ROTC qualifies the student for service as an officer in the Army, Navy, Marine Corps, or Air Force and provides valuable managerial training for civilian or military careers. To obtain a commission in one of the armed services, a student must meet certain physical standards and complete the required course of study in a four-, three-, or two-year program. Upon graduation, the student is commissioned and can expect to serve a required tour of active military service. Active-duty requirements vary significantly between services and programs. Certain qualified students may delay active duty to pursue graduate studies.

Participation in ROTC is voluntary. It is advisable, but not mandatory, for interested students to enroll in the fall of the freshman year since openings in the three- and two-year programs may be limited.

The two-year program is available to undergraduates who have two academic years remaining at Cornell and also to graduate students planning to spend two years at Cornell as of the date of their enrollment. Students may be eligible for scholarships consisting of tuition, books, and a monthly subsistence allowance. Interested students should communicate with the appropriate ROTC department and apply for the two-year program no later than March 1 of the academic year preceding their desired enrollment date.

Further information is given in the *Announcement of Officer Education*, which may be obtained by writing to Cornell University Announcements, Research Park, Ithaca, New York 14850. Details about the specific programs, including scholarships and active-duty requirements, may be obtained by writing the commanding officer of the department concerned, Cornell University, Barton Hall, Ithaca, New York 14853.



Division of Summer Session and Extramural Courses

The Division of Summer Session and Extramural Courses provides opportunities for those interested to choose from a wide variety of courses offered during the summer and to study on a part-time basis during the regular school year. Through these courses individuals may earn academic credit toward a degree, study for career advancement, and pursue cultural and avocational interests.

Summer Session

Cornell Summer Session provides some unique and unusually attractive opportunities for study and recreation for students who range in age from the high school senior to the senior citizen. With Ithaca weather at its best, summer study makes available the extensive academic and recreational facilities of the University and the Finger Lakes Region. Students may choose from a wide spectrum of courses which are scheduled during three-week, six-week, and eight-week sessions, as well as dozens of special programs of varied lengths. Admission is kept relatively open and simple. Classes meet daily, and because they are usually small, a close association between student and teacher is facilitated.

Extramural Courses

The Division of Extramural Courses makes available to Ithaca area residents the extensive course offerings of the University on a part-time basis. Those interested may apply for admission to practically any course in the University and will be admitted if they receive the instructor's written approval. Extramural registrants have the lowest priority for space in a class and will be asked to withdraw if there is not enough space for all Cornell degree candidates who have registered for the course.

Registration is normally limited to two courses and eight credits per term, although under special circumstances, an individual may be permitted to register for nine credits.

Area residents who have no need for credit or a record of attendance may register in the "Official Visitor's" program which is available at a nominal charge.

During the January intersession period, the division offers credit courses primarily for undergraduates but open to anyone. Among the courses offered in recent years have been study tours to England and the Soviet Union.

Interdisciplinary Programs and Centers of Study

Africana Studies and Research Center

Since its beginning in 1969, the Africana Studies and Research Center has grown steadily. It now has a faculty of twelve and offers twenty-four courses each semester.

The curricula for the undergraduate major and the graduate programs are specifically developed and taught by the faculty of the Africana Center. The course offerings are multidisciplinary and comparative and present a variety of subjects. Undergraduate students may major in Afro-American or African studies or a combination of both. All majors are required to take a prescribed number of core courses and a variety of electives in the focal areas of history, literature, the social sciences, and Swahili language and literature.

All courses offered by the Africana Center are approved for credit as electives in the College of Arts and Sciences. Therefore, a student need not major in the program but may take center courses as electives to fulfill college distribution requirements.

The Africana Center encourages joint majors within the College of Arts and Sciences and with the Department of Human Service Studies in the College of Human Ecology in the areas of social work and adult and community education. The Africana Center's undergraduate faculty representative and the executive assistant to the director will assist students in the design and coordination of such a cooperative program.

For those students who display high-caliber academic performance, there is the choice of

an honors program which allows the student an opportunity to conduct independent library research or to engage in a field project.

Graduate students engage in studies leading to a Master of Professional Studies in African and Afro-American Studies, with either an Afro-American or African specialty, or they may follow a more general program if they wish to combine the two areas. Students in other graduate fields at the University may minor in Afro-American studies or African studies.

The Africana Center brings visiting lecturers to the campus, sponsors a lecture series as a forum for persons within the University, and has arranged study tours to Africa and the Caribbean.

Requests for additional information should be addressed to the Office of the Director, Africana Studies and Research Center, Cornell University, 310 Triphammer Road, Ithaca, New York 14850.

Biology and Society

The biology and society major within the College of Arts and Sciences is a multidisciplinary program for students with special interests in such problems as food and population, energy, the environment, conservation of our natural resources, genetic engineering, and the right to medical care, as well as for students who plan postgraduate study in health and medicine, law, and other fields.

Because the biology and society major is multidisciplinary, students must attain a basic understanding of each of the several disciplines it comprises, including introductory courses in biology and the social sciences. The core curriculum includes required courses in the fields of chemistry, mathematics, genetics, ecology, and history. In addition, majors are required to take the two-semester course in biology and society and a special senior seminar. Programs incorporating these required courses are designed in consultation with a special group of faculty advisers to accommodate each student's individual goals and interests.

Further information on the biology and society major, including specific course requirements and application procedures, may be obtained by contacting the Program on Science, Technology, and Society, Cornell University, 632 Clark Hall, Ithaca, New York 14853.

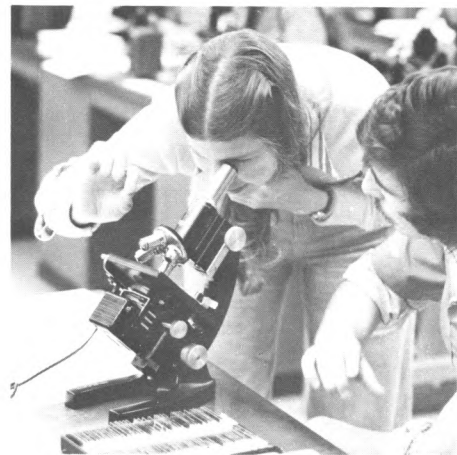
College Scholar Program

Up to forty students from each freshman class in the College of Arts and Sciences are selected as College Scholars. Working in close cooperation with faculty advisers, the College Scholars plan their own degree programs. Further information is available from the Office of Special Programs, College of Arts and Sciences, Cornell University, 159 Goldwin Smith Hall, Ithaca, New York 14853.



Independent Major Program

This College of Arts and Sciences program is designed for students who wish to study a topic that cuts across several departments. Students, with the help of faculty advisers, design a program of studies and submit it to the Independent Major Board for approval. Ordinarily, independent majors are approved during the second semester of the sophomore year. Further information is available from the Office of Special Programs, 159 Goldwin Smith Hall.



Dual Degree Program

This five-year program enables students to earn both a Bachelor of Arts degree from the College of Arts and Sciences and either a Bachelor of Science degree from the College of Engineering or one of the bachelors degrees awarded by the College of Architecture, Art, and Planning. Students in the program register in one of the colleges as freshmen and begin the dual program their second or third year. For further information and application forms, contact the Office of Special Programs, 134 Goldwin Smith Hall.

Center for International Studies

The major role of the Center for International Studies is to support and coordinate Cornell's teaching and research programs in international and comparative studies. The center functions through a structured network of faculty committees which are organized on a multidisciplinary basis and clustered in area studies programs, professional programs, and problem-solving programs.

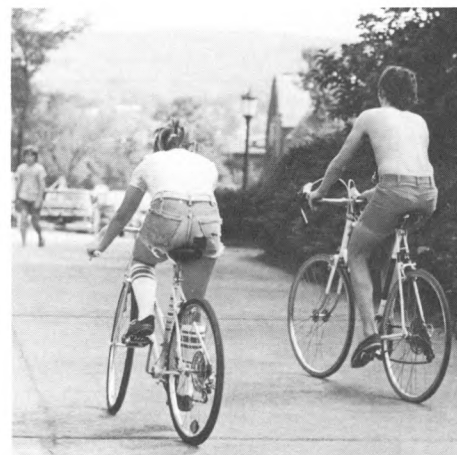
The area studies programs are China-Japan, Latin American, South Asia, Southeast Asia, and Soviet Studies. Professional programs include International Agriculture, International Legal Studies, and International and Comparative Labor Relations. Problem-solving programs, which examine substantive policy issues cutting across area and professional concerns, include International Population; International

Nutrition; International Studies in Planning; Participation and Labor-Managed Systems; Peace Studies; Rural Development; Science, Technology, and Development; and Western Societies. The center also sponsors the Field of International Development, a program of graduate studies leading to a professional master's degree.

Students interested in international or comparative studies will find that the flexibility of Cornell's undergraduate and graduate requirements permits considerable latitude in selecting subjects. Appropriate courses of study may be chosen from the regular offerings of the schools and colleges of the University. Further information about the center and its associated programs may be obtained from the Center for International Studies, Cornell University, 170 Uris Hall, Ithaca, New York 14853.

Religious Studies Program

Twelve departments in the College of Arts and Sciences offer courses in this program, which may be chosen as a "concentration," or minor, by undergraduates. Nearly all of the world's great religions, including Christianity, Islam, Hinduism, and Buddhism, can be studied with the assistance of faculty in history, philosophy, archaeology, Asian studies, history of art, literature, sociology, and linguistics. Additional information about the program may be obtained by writing to the Religious Studies Concentration, College of Arts and Sciences, 159 Goldwin Smith Hall, Ithaca, New York 14853.





Program on Science, Technology, and Society

The Program on Science, Technology, and Society (STS) is an interdisciplinary unit that promotes teaching and research on the interactions of science and technology with political and social institutions. The program draws its students, faculty, and research staff from departments in all colleges of the University. Topics of special concern include science, technology, and public policy; biology and society; technology assessment; citizen participation in technical decision-making; arms control and national defense policies; energy policy; environmental policy and ethics; and biomedical ethics. These and other subjects are studied through courses, graduate and faculty seminars, workshops, and research projects.

In cooperation with University academic departments and centers, the STS Program participates in the development of interdisciplinary courses at both the graduate and undergraduate levels. Courses developed by the program are designed to both synthesize and contrast the perspectives of several academic disciplines in the analysis of relationships among science, technology, and the needs, values, and institutions of modern societies. The program participates in the undergraduate biology and society major in the College of Arts and Sciences and offers a science policy "stream" within the graduate minor Field of Public Policy. A new peace studies minor has also recently become available. Limited support is available to graduate students whose studies fall within the

program's scope. Such support can be in the form of full or partial fellowships, research or teaching assistantships, or grants to cover research expenses.

Further information may be obtained by contacting the Program on Science, Technology, and Society, Cornell University, 632 Clark Hall, Ithaca, New York 14853.

Undergraduate Research Program

The Undergraduate Research Program enables students to participate in the research projects of faculty members and to earn credit for their work. Projects in the humanities, the social sciences, and the natural sciences are available. Students and the faculty members with whom they work agree on how much and what kind of work the student will be expected to do, and how much credit will be awarded. This program is generally open only to advanced students. A limited amount of funding is available to help defray costs of equipment and computer time. The Office of Special Programs, 159 Goldwin Smith Hall, has descriptions of current projects.



Women's Studies Program

Women's Studies, a University program in the College of Arts and Sciences, has three goals: to encourage the development of teaching about women for women and men; to examine assumptions about women in various disciplines and to develop, systematize, and integrate into these disciplines new knowledge about women; to cooperate in public service activities with the extension division of the University. Each term the program offers undergraduate and graduate courses, both independently and in cooperation with other departments. Students in the College of Arts and Sciences wishing to major in women's studies can design their own major through the Independent Major Program.

Any graduate student in the University may elect a women's studies minor. The program usually sponsors a biweekly noncredit seminar for graduate students and faculty to facilitate sharing of knowledge across disciplinary lines.

The program is guided by a board composed of professors from several divisions at Cornell, Women's Studies Program lecturers, and elected representatives of the undergraduate and graduate students. The program serves as a clearinghouse for information about women's organizations on campus. Each Friday noon during the academic year, Women's Studies sponsors informal presentations, open to the public, about current research or social issues affecting women.

University Requirement in Physical Education

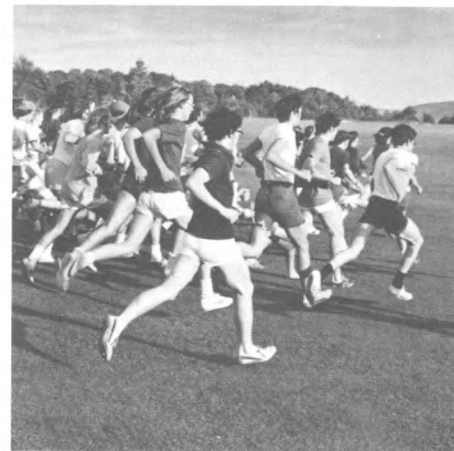
As part of the normal course of study leading to a baccalaureate degree, the University Faculty has established a requirement in physical education that must be met by all students unless they are specifically exempted.

For students admitted as freshmen in 1978 or thereafter (the class of 1982 or later), two terms of physical education are required and should be completed during the freshman year. For students admitted as freshmen before 1978 or as transfers with advanced standing (the classes of 1981 or earlier), four terms are required, which should be taken in the freshman and sophomore years.

For a student admitted with advanced standing, the required number of terms of physical education is reduced by the number of terms that the student has satisfactorily completed (not necessarily including physical education) in a college of recognized standing.

The University requirement in physical education is met by satisfactory work in courses under the supervision of the Department of Physical Education. Publications describing the courses offered will be made available to entering students by this department. The requirement can also be satisfied by participation in the marching band or in intercollegiate athletics for the equivalent number of semesters.

Exemptions from the requirement may be made by the University Faculty Committee on Physical Education when recommended by the Cornell medical staff, or because of unusual conditions of age, residence, or outside responsibilities. Students who have



been discharged from the armed forces may be exempted. Entering students who believe that they qualify for exemption or for postponement of the fulfillment of the requirement beyond their first year should present their cases to the committee through its chairperson or the Dean of the University Faculty.

University Libraries

The Cornell University library system ranks in the top ten among major academic libraries in the United States. The system's eighteen libraries contain well over four million volumes, over a million and a half microforms, and currently subscribe to fifty-two thousand periodicals. Together they provide the facilities for research and study in hundreds of undergraduate major subject areas and in over eighty-five fields of study for advanced degrees.

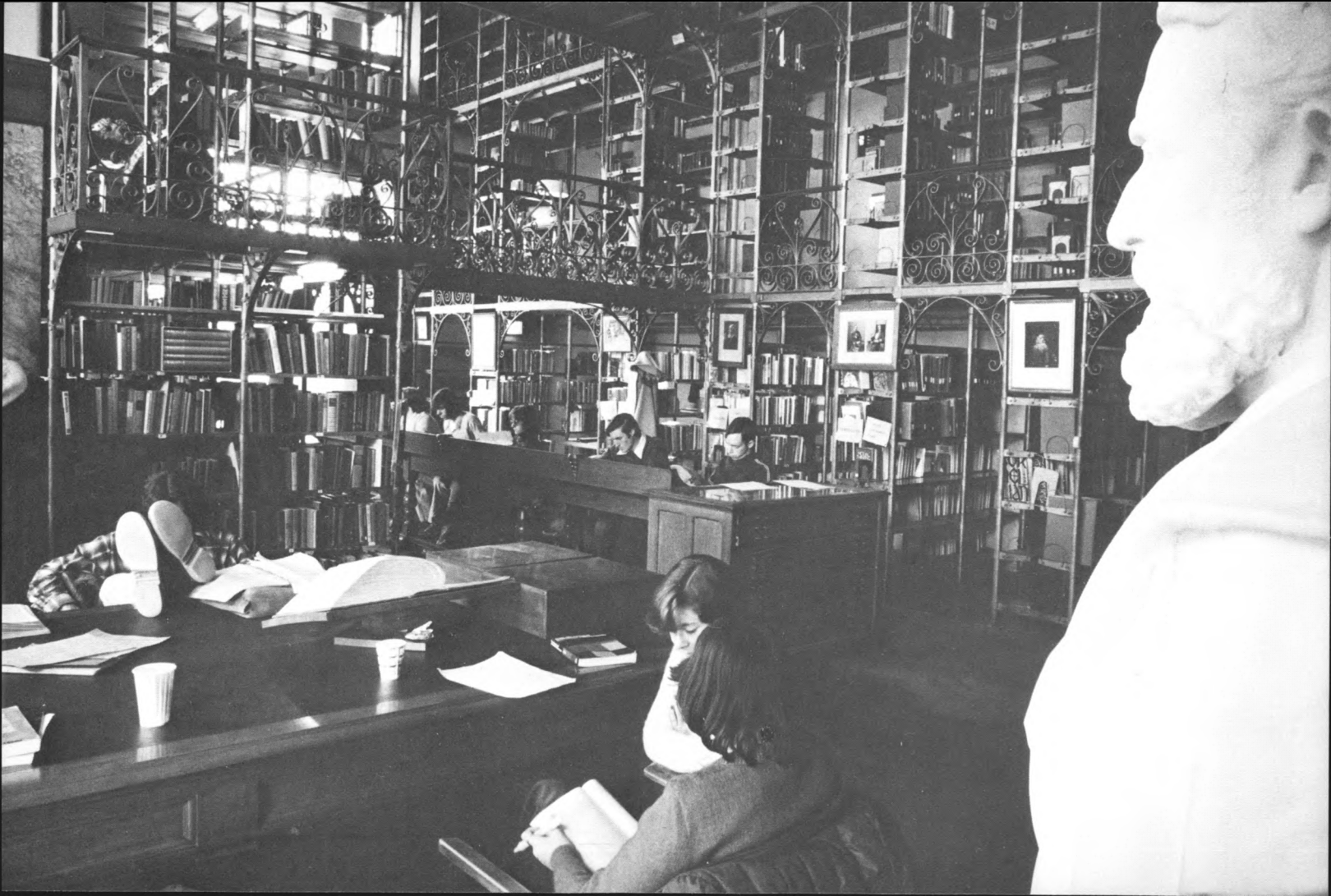
The central library, at the south end of the Arts Quadrangle, is in two parts. Uris Library, the building on East and Southeast Asia, and another on the history of science, the archives of the University, maps, and newspapers.

Across the walk from Uris is the John M. Olin Library, devoted more specifically to graduate and faculty research. This closed-stack library houses many special collections of books and manuscripts, among them Rare Books, a collection on East and Southeast Asia, and another on the history of science, the archives of the University, maps, and newspapers.

The two libraries, Uris and Olin, complement each other in support of the University's program of teaching and scholarship. Besides this central facility, there is an extensive system of college, school, and department libraries. Chief among these are the Albert R. Mann Library, serving the Colleges of Agriculture and Life Sciences and Human Ecology; the Fine Arts Library, serving the College of Architecture, Art, and Planning; the libraries of the College of Engineering and the New York State College of Veterinary Medicine; and the libraries serving the Graduate School of Business and Public Administration, the Law School, the School of Hotel Administration, and the New York State School of Industrial and Labor Relations.

All of the libraries are open long hours, some of them until midnight. Most have special copying services, and some publish handbooks and bibliographies that are distributed without charge.





University Life

Social and Cultural Activities

It is a difficult task to characterize the climate of extracurricular life at Cornell. As with many other things at the University, an appealing aspect is the diversity. For those at Cornell with interests in particular fields, there are more than 400 organized groups that include students, faculty, and staff in their membership. Among them are clubs for persons with similar academic interests or similar hobbies, local chapters of professional organizations, associations of students from other nations, and a number of national honorary societies that recognize achievement in scholarship and other fields of endeavor. If an interest group does not now exist, like-minded persons may readily establish such an organization.

Music

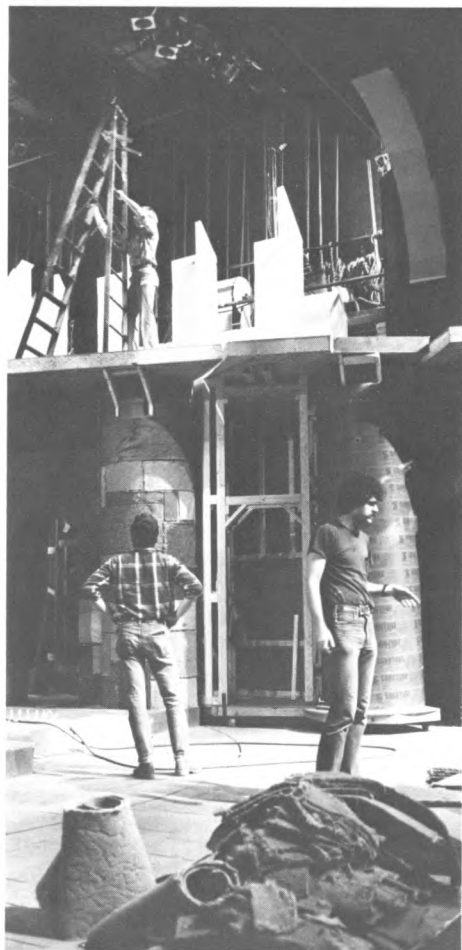
Students who wish to participate in music making will find a wide range of opportunity through the Sage Chapel Choir, the Cornell Chorus, the University Glee Club, the University orchestras and bands, chamber music ensembles, the Opera Workshop, the Collegium Musicum, and the Indonesian Gamelan Ensemble.

The University Faculty Committee on Music sponsors programs by visiting soloists and major orchestras in the Bailey Hall Concert Series; string quartets and other groups in the Statler Series at Alice Statler Auditorium; and occasional operas, ballets, and special events. Several times each month, the Department of



Music sponsors free concerts and lectures by visiting artists or by Cornell faculty and students, primarily in Barnes Hall Auditorium.

On the lighter side, the Cornell Concert Commission offers a series of student-produced popular rock, folk, soul, and jazz concerts. Other student organizations have regular performances of Gilbert and Sullivan operettas, jazz, and folk music. Performers who have recently appeared at Cornell include Linda Ronstadt, Tom Paxton, the Kinks, Bruce Springsteen, and the Grateful Dead. Local bluegrass and folk performers are featured in informal concerts in the Commons, a coffeehouse in Anabel Taylor Hall.



Theater

Diverse dramatic productions are presented by Cornell students throughout the year. Under the sponsorship and general supervision of the Department of Theatre Arts, an intensive production schedule of classic, modern, and experimental dramas are given. Included in these activities are guest professionals, graduate actors, designers, and directors from the department's professional training program as well as undergraduate majors. Tryouts, open to all students in the University who are interested in participating in theater, are held twice a year. The department also manages a more informal production program in its experimental theater, where productions are directed, acted, designed, and managed entirely by students. Casting for these events takes place throughout the year.

Students have numerous opportunities to attend or participate in other theatrical productions. Risley Residential College has a small theater available for production work throughout the year. The Savoyards produce Gilbert and Sullivan operettas regularly, providing students who wish to gain experience with musical theater opportunities to sing and act or assist with production. In Ithaca, Central Casting, a community theater group, mounts five or six productions a year.

In addition to theater, a series of formal and informal dance programs are sponsored by the Department of Theatre Arts.

Art Exhibitions

Cornell is generously supplied with art exhibitions, some permanent and some temporary. The displays range from the works of students and visiting collections to the permanent University collection housed at the Herbert F. Johnson Museum of Art, one of the most exciting additions to the Cornell campus. Other campus locations for art displays include the Art Room in the Straight, the Fine Arts Gallery in Sibley, and the galleries in Goldwin Smith Hall, Martha Van Rensselaer Hall, and Franklin Hall.

Lectures

On the more academic side of audience entertainment, there is the lecture. Dozens of extracurricular lectures are given every week ranging from scholarly presentations on subjects of narrow interest, such as "The Comparative Biochemistry of Muscle Contraction," to well-known speakers with campuswide appeal, such as Paul A. Samuelson, Martin Luther King, Sr., and Edward Albee.



Films

Cornell does not disappoint the filmgoer. Throughout the year and on almost every night of the week, single film showings and film series make available educational and entertaining films at reduced rates. In addition, there are a half dozen commercial theaters in Ithaca itself, making movie going among the most popular leisure-time activities.

Students who are interested in producing their own films may participate in the filmmaking program sponsored by the Department of Theatre Arts.

Publications

Cornell students edit and publish a wide variety of publications, including a yearbook, the *Cornellian*; literary magazines; and a number of magazines relating to special fields of interest such as the *Cornell Engineer*, the *Cornell Countryman*, and the *Cornell Law Review*. Cornell students are in complete charge (writing, editing, business affairs, etc.) of the publication of the *Cornell Daily Sun*, an independent daily newspaper.

Athletics

At Cornell athletics are designed to encourage the participation of every able and interested student, either in varsity sports or in the extensive intramural program. Cornell supports the largest intercollegiate athletic program for men and women in the country and belongs to the Ivy League. There is intercollegiate competition for men in the following sports: baseball, basketball, crew, 150-pound crew, cross-country, fencing, football, 150-pound football, golf, gymnastics, hockey, lacrosse, polo, rifle, sailing, skiing, soccer, squash, swimming, tennis, track, and wrestling.

Cornell fields seventeen intercollegiate women's teams, more than any other college or university in New York State. The women's athletic program, one of the largest in the nation, includes basketball, bowling, crew, cross-country, fencing, field hockey, gymnastics, ice hockey, lacrosse, polo, sailing, skiing, swimming, synchronized swimming, tennis, track, and volleyball.

Needless to say, one can enjoy these intercollegiate athletic programs not only as a participant, but also as a spectator.

Cornell's extensive intramural program gives students the chance to exercise and enjoy whatever athletic skills and interests they may have. This program (also one of the largest of its kind in the country), has unusual variety that includes sailing, box lacrosse, broomstick polo, and horseshoes in addition to the more usual sports such as touch football and softball.

In all, Cornell offers 170 leagues — men, women, and combined — in twenty-one sports, covering all levels of play. Last year some 22,000 contestants participated in the independent, dormitory, graduate, and women's intramural divisions.

Campus Governance

The Cornell Campus Council provides for the discussion of campus issues, examines matters of campus interest, oversees the judicial system, and maintains a system of committees with policymaking authority in nonacademic affairs. This system provides for participation in decision making for students, faculty, and employees in areas such as student life and activities, unions, dining, residence life, religious affairs, and health services. The Campus Council consists of seven students, seven faculty, three employees, and five ex officio members. Further information may be obtained from the Council Office, 133 Day Hall.

In addition, there are smaller governing and coordinating bodies that have an important influence in determining University policies and practices. Such student participation is made possible through groups representing residence units (such as the Interfraternity Council and University residence halls councils), school and college groups (such as the Human Ecology Departmental Councils), and various special bodies (such as the Student Finance Commission).

Fraternities and Sororities

Fraternities. For many fraternity life is an integral part of the Cornell experience. There are presently forty-six social fraternities at the University with about 2,800 or 40 percent of the male undergraduate student body as members. Each has its particular flavor and environment. With such a large system, one of the largest in the country, diversity is the key to its continuing growth. Students have the opportunity to choose the life-style that appeals to them, from a relatively small fraternity with seventeen members to one of over a hundred. In addition to friendships, fraternities provide opportunities for leadership and personal growth, while satisfying room and board needs. The system is coordinated by the Interfraternity Council, a student-run board that oversees the many programs associated with fraternities.

Sororities. There are nine sororities on the Cornell campus, ranging in size from 58 to 118 members. Approximately 860, or 17 percent of the woman students at Cornell are members of these houses. They are an integral and important part of a campus that offers a wide variety of residential and social possibilities. Although most members live in the sorority house at some time during their college career, about half retain social memberships while living elsewhere. The Cornell Panhellenic Council is the governing body of the sorority system and it coordinates the activities among the houses within the campus and community settings.





University Unions

There are three University unions at Cornell: Willard Straight Hall, the oldest, the largest, and the most centrally located; Noyes Center, located in the west campus residential area on Stewart Avenue; and the North Campus Union, in the residence hall complex between Pleasant Grove and North Triphammer roads.

These unions serve as gathering points and centers for social, cultural, recreational, and educational activities for all Cornell students. A partial list of available union facilities includes large rooms for dances, receptions, and other social gatherings; a theater; billiard and game rooms; craft shops that offer lessons in such skills as ceramics, weaving, metal craft, and printing; music listening rooms; meeting rooms

and offices for student organizations; and photographic darkrooms. Among the many special services available to students are a central ticket office, a painting and record rental service, a duplicating service, and a travel office. All University unions offer a variety of dining services, ranging from a snack bar, cafeteria, and private dining room to a pub and tavern.

University Unions also sponsors Cornell Cinema, the campus film program; the Cornell Concert Commission, which produces popular concerts; the University Unions Program Board, which presents lectures, concerts, touring theatrical productions, and experimental classes; Wilderness Reflections, which presents summer outdoor orientation programs for new students; and the Third World Student Programming Board, which sponsors events that highlight minority and ethnic cultures.

General responsibility for determining policies and operating procedures for all union facilities and programs is in the hands of students. Each union has both a student board and a program committee that sponsor a variety of social, cultural, recreational, and educational programs. The services and activities support the educational objectives of the University, while fulfilling the bequest of Willard Straight, whose objective was "the enrichment of the human contacts of student life."



Religious Affairs

"Freedom for all; domination by none" is the guiding principle under which religious affairs have flourished at Cornell since 1869. Cornell United Religious Work (CURW) was established in 1929 to provide a vehicle for cooperative religious work on campus. Its thrust is threefold: denominational, interreligious, and nondenominational. Anabel Taylor Hall, given by Myron C. Taylor in 1952, provides office and meeting facilities for the religious programs described below. A diverse staff of pastoral counselors and advisers, available day and night for consultation, may be reached through the information office, 118 Anabel Taylor Hall (telephone 256-4214). This office also has information concerning weekly religious convocations in Sage Chapel and worship opportunities in Anabel Taylor Hall and the local churches and synagogue. Anabel Taylor Hall is the headquarters for CIVITAS (Cornell-Ithaca-Volunteers-in-Training-and-Service), through which students provide many services to local and regional community agencies. Interreligious International Ministry (IRIM) offers courses and conferences that discuss world religions and ideologies in the context of world community. The Commons, a coffeehouse in the building, provides a place for informal communication among faculty, staff, and students.

Member groups currently participating in CURW are: A.M.E. Zion, Baha'i, Catholic, Christian Science, Episcopal, Evangelical, Friends, Jewish, Latterday Saints, Lutheran, Muslim, Eastern Orthodox, Unitarian Universalist, United Ministry (Baptist, Disciples of Christ, Reformed, United Church of Christ,

United Methodist, and United Presbyterian), and Wesley Foundation. Other religious organizations are active on campus and are listed at the Office of the Dean of Students. The denominational programs offer daily or weekly opportunities for worship, study, pastoral care, retreats, recreation, and special projects and programs. As members of CURW, they share in support and leadership of interreligious programs and activities. Among these are the Sage Chapel Convocations, CIVITAS, IRIM, noncredit courses, lectures, conferences, and involvement in varied services to the University community. The groups that engage in social service and social action programs do so as denominations, or in coalition, or through the Centre for Religion, Ethics, and Social Policy.

Closely associated with CURW but independent of it is the nondenominational Centre for Religion, Ethics, and Social Policy (CRESP), which is the primary research and action component of religious affairs at Cornell. It advocates a fundamental connection between spiritual vision and social practice and addresses concerns related to human needs and potential. The scope of its work is revealed by some of its programs and projects, all of which are open to students and nonstudents: Eco-Justice, Learning Web, Committee on U.S. - Latin America Relations, Community Energy Network, Alternatives Library, Public Interest Research Group, and the Cornell Corporate Responsibility Project. CRESP and CURW jointly sponsor the annual Thorp Lecture Series, bringing to the campus outstanding speakers in the field of theology and ethics.

The combined staffs and advisers of CURW, CRESP, and the denominations meet weekly in fellowship and study to enhance their service to the University community. Their work and their programs are independent but interrelated, built on cooperation without requiring compromises of basic religious tenets. The united work of CURW and CRESP is open to all persons, with or without religious affiliation.

Motor Vehicles

The University is concerned about the effects of motor vehicles on the environment and on the limited available parking facilities. Any student is permitted to have a motor vehicle at Cornell; however, vehicle access to central campus is tightly restricted and parking space near some residence halls is very limited. Questions about motor vehicles should be addressed to the Traffic Bureau, Cornell University, 115 Wait Avenue, Ithaca, New York 14850.



Housing

Living arrangements at Cornell are flexible and students are permitted to live wherever they wish. Some students prefer to live on campus, just a few minutes away from classes, the libraries, an evening concert, a lecture, or a film. Others prefer to rent apartments and rooms in the Ithaca community or to live in sororities or fraternities adjacent to the campus.

Residence Halls

The University provides numerous residence halls accommodating approximately 5,500 single undergraduate and graduate students. These residence halls offer substantial variety in size, style, and type of living arrangement. The various kinds of accommodations available include single rooms, double rooms, triple rooms, suites, and a few apartments. Some halls are reserved for women or men, while others are coeducational.

In addition to the larger halls, there are small units that provide an opportunity for cooperative living arrangements for upper-class students, and there are also special residences reserved for students sharing a particular interest, such as ecology or the performing arts.

All of the University's residence halls are more fully described in the booklet *Living on Campus, Housing for Single Students*.

Family Housing

Unfurnished apartments for 422 students and their families are available in three apartment complexes: Cornell Quarters, Pleasant Grove, and Hasbrouck Apartments. Requests for further information should be directed to Family Housing Office, Hasbrouck 40, Pleasant Grove Road, Ithaca, New York 14850.

Off-Campus Housing

Information on available off-campus housing is posted at the Off-Campus Housing Office, 223 Day Hall. Because changes of available accommodations occur daily, it is not practical to prepare lists for distribution by mail. If possible, a student should make at least one trip to Ithaca to look over the available rooms, apartments, and houses before taking up residence.

A brochure describing off-campus housing in the Ithaca area may be obtained by writing to Off-Campus Housing Office, Cornell University, 223 Day Hall, Ithaca, New York 14853.

Dining Services

Cornell University maintains dining services in ten locations — Willard Straight Hall, North Campus Union, Noyes Center, Balch Hall, Sage Hall, Hughes Hall, Noyes Lodge Pancake House, Risley Hall, the Statler Student Cafeteria, and the Dairy Bar. These facilities are open to all students on a cash or credit basis, whether or not they live in University residence halls or subscribe to a specific dining plan. The University has no formal dining requirements, allowing students the flexibility of eating when and where they choose.

For those students wishing to subscribe to a dining plan, the following options are offered:

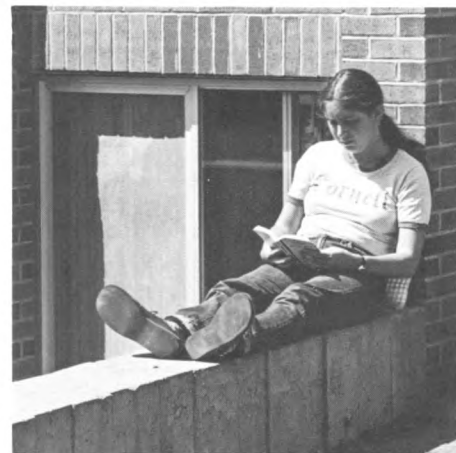
Co-op Dining Program, prepaid each semester, is a convenient and unusually flexible program that allows students to eat all they want during specified times at five co-op dining centers (Willard Straight Hall, Noyes Center, Balch Hall, North Campus Union, and Sage Hall) at a savings. Students choose from many available options the one that best suits their needs. Students do not need to be campus residents to participate in this plan. Additional information may be obtained from Cornell Dining, 233 Day Hall, Ithaca, New York 14853.

Risley Dining Program, prepaid each semester, is primarily for residents of Risley Hall but is open to all. Additional information is available from the student-run Risley Dining Committee at Risley Hall and also from Cornell Dining, 233 Day Hall.



Cornellcard, a credit card for those who do not wish to pay cash for each meal or be on the Co-op Dining Plan, is honored by Cornell Dining. The Cornellcard program is administered by the Bursar's Office. Information is available from the Bursar's Office, 260 Day Hall.

The Department of Dining Services also operates two grocery stores on campus, the Pick-Up in Noyes Lodge Pancake House and the Mini-Pick-Up in Noyes Center. Also, major vending machine areas in Martha Van Rensselaer and Warren Halls and the veterinary college offer hot and cold food and drinks along with radar ovens for convenience in heating food.



Student Services

Office of the Dean of Students

The University, through the Office of the Dean of Students, maintains a staff of counselors and advisers available for personal conferences with both graduate and undergraduate students. The staff helps students with the routine problems that arise in the normal course of campus life and also more personal problems. It is the general University-wide office concerned with student life at Cornell. Referrals may be made to other professionally trained members of the University staff who are best qualified to be of specialized assistance for particular problems.

Responsible professional staff and student resident advisers who live in the various residence halls and small housing units are also staff members in the Office of the Dean of Students. Their rooms are located so that the staff is easily accessible to assist students with personal, academic, and social problems. The residence staff attempts to create an environment within the residence halls that encourages the personal development of the residents and is supportive of the educational mission of the University.

Staff members of the office assist student groups — student government organizations, fraternities, sororities, and peer counseling and extracurricular activity groups — with programs and policy. The office also coordinates programs for orienting new students to campus life and sponsors sex and drug education programs and special programs for married students.

Staff members of the schools and colleges within the University also give special attention to the orientation of their students. They provide counselors and advisers to assist their students in all matters connected with courses of study and academic pursuits.

Foreign Students

The University maintains an International Student Office. Foreign students are invited to write to that office for any information they may need, or to consult the staff about any problems they may have. Upon arrival at Cornell, foreign students are requested to report to the International Student Office, 200 Barnes Hall.

Ombudsman

The Cornell University ombudsman and members of the staff hear and investigate complaints concerning the operation of any aspect of the University, especially complaints of injustice and abuse of power. The office is independent of the University administration and all groups on the campus. Any member of the Cornell community may file a complaint with the Ombudsman's Office at 201 Barnes Hall. The telephone number is 256-4321.

Career Services

Ezra Cornell's intention to "found an institution where any person can find instruction in any study" finds expression in the career services provided by the University. Any student wanting to explore employment or educational opportunities in almost any field will find someone on the faculty or an adviser to help. Students wishing to pursue specialized professional goals in agriculture and life sciences, engineering, labor relations, or hotel administration will find a placement office in their school or college. In addition, the University Career Center in Sage Hall serves the entire campus.

The Career Center

While emphasizing the process of choosing a career after graduation as well as providing employment services, the Career Center also provides information, instruction, and advice on a wide range of related areas. These include:

- summer job opportunities
- internships
- graduate and professional schools
- graduate fellowships and scholarships
- summer study programs
- student travel
- minority opportunities
- overseas study
- volunteer activities
- job-hunting techniques
- preprofessional advising

The center's facilities, program, and activities include the following:

A library of over 15,000 items, one of the most extensive career libraries in the country, including information about job-hunting techniques, graduate study, summer and other short-term employment, and career opportunities. Two information specialists assist students in the use of this material.

"The Career Center News," a section that appears weekly in the *Cornell Daily Sun*, informs the campus of job interviews, application deadlines, and career programs.

Programs include speakers, panel discussions, and other events on such subjects as job hunting, graduate school admissions, fellowships and scholarships, and study and job opportunities abroad.

Employment Interviews and Job Placement.

During October and November and again in February and March the Career Center, along with the schools and colleges, provides up to thirty interviewing rooms a day for the hundreds of employers who come to the campus each year to talk with Cornell graduates. The diversity of the University and the quality of the students bring most of the major employers of college graduates to the campus.

Placement Bulletins. In addition to bulletins listing jobs, the center publishes and distributes to 3,000 employers a bimonthly bulletin listing the qualifications of students and alumni seeking employment.

Graduate School Recruiting. Cornell students are heavily recruited by graduate schools. The Career Center arranges interviews with admissions directors from

various graduate institutions, including the major law and graduate business schools.

Advising and Instruction. Instruction is provided on job-hunting techniques and career planning through programs that include resume critiques and a self-assessment workshop. The staff also advises students on individual problems related to graduate school admissions and fellowships.

Health Careers Program Office

Guidance and advice for premedical, pre dental, preveterinary, and other students interested in health careers is offered by the Health Careers Program Office at the Career Center. Students are encouraged to come in whenever they have determined their interest in a health profession. A credentials service is also provided by the Health Careers Evaluation Committee.

Educational and Vocational Guidance

Educational and vocational counseling begin in the separate colleges and schools. Each undergraduate is assigned a faculty adviser who will help in the selection of courses that will give the best preparation in a chosen field.

Students desiring assistance in the diagnosis of academic problems, selection of a curriculum, or determination of vocational goals may be referred to the University Guidance and Testing Center, 203 Barnes Hall, for an intensive program of testing and counseling.

Reading-Study Center

The Reading-Study Center offers all students the opportunity to acquire and improve the reading and study skills that are essential for academic success. Each semester, numerous sections of six-week noncredit courses in reading and study skills and instruction in the techniques of speed reading are offered. The entire study skills course is also on cassette tapes, enabling students to take the entire course at their own time and speed, as well as in any sequence of topics. The staff of the center will assist individual students with their specific academic problems.

Health Services

The following services are available at no additional expense to all full-time students who have paid Cornell University tuition and who are in Ithaca:

1. unlimited visits to Gannett Medical Clinic,
2. up to fourteen days of infirmary care each semester in Sage Infirmary,
3. routine laboratory and X-ray services ordered by Health Services physicians,
4. physiotherapy services,
5. counseling services at the clinic and in the Mental Health Section.

Expenses not covered by the University Health Services program are: visits to a private physician or health care facility without referral by the Health Services, house calls, hospitalization expenses except in Sage

Infirmary, hospital charges and fees for surgical procedures, routine expenses for contraceptive, prenatal, or obstetrical care, and expenses connected with illness or injury occurring (a) outside of Ithaca while in transit to and from college, on weekend trips, and on vacations away from Ithaca during the academic year and (b) during the summer unless enrolled as a summer student. Many of these expenses are covered by the Student Accident and Health Insurance Plan (see below).

Outpatient care is centered in the Gannett Medical Clinic, 10 Central Avenue. Infirmary care is given in the Sage Infirmary located at Sage Place on East Seneca Street. The clinic and infirmary medical staff, under the supervision of the clinical director, consists of attending physicians, psychologists, and health associates from the University staff and of consulting physicians and surgeons in the various medical fields from Ithaca and vicinity.

Supplementary Accident and Health Insurance Plan

Insurance at extra cost is available to supplement the services outlined above. For example, care in Sage Infirmary in excess of fourteen days a term, hospitalization and physicians' fees at Tompkins County Hospital when referral is made through the Health Services, and expenses for illness or accident outside Ithaca are covered. Unless students have other insurance to supplement medical services provided by the University Health Services, they are urged to take advantage of this plan. Information about this insurance may

be obtained at the Gannett Medical Clinic, where a representative of the insurance company has an office.

A charge for this coverage will appear on each student's fall tuition bill. If coverage is not desired, the charge may be waived by completing a waiver card, which may be obtained at registration, at 260 Day Hall, or at Gannett Clinic.

Health Care Plan for Student Spouses

The University Health Services offers student spouses care identical to that available to the student on a prepaid or fee-for-service basis. Most services are available at reduced cost to those who participate in the program. Contraceptive and obstetrical services are not included in this program, but other gynecological services are.

These services are not to be confused with the Accident and Health Insurance Plan for Cornell students and their dependents. The Student Insurance Plan supplements basic health care by providing twelve-month insurance coverage for students and dependents over and above benefits of the Health Services, and by protecting the student or dependent when he or she is away from the Cornell campus.

Information and forms for the spouse plan may be obtained by writing or visiting the University Health Services, Gannett Medical Clinic, Cornell University, 10 Central Avenue, Ithaca, New York 14853.

Admission to Cornell

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Citizens of the United States or Canada, persons holding permanent resident visas or refugee visas from the United States, and landed immigrants of Canada seeking admission to an undergraduate school or college at Cornell should request application forms from the Office of Admissions, 410 Thurston Avenue, Ithaca, New York 14850.

Correspondence regarding entrance to the Summer Session, Graduate School, the Graduate School of Business and Public Administration, the Law School, the Medical College, the Graduate School of Medical Sciences, and the College of Veterinary Medicine should be addressed to the individual units.

Foreign Students. Any foreign national who does not hold a permanent resident visa or refugee visa from the United States is defined by Cornell University as a foreign student. All foreign students (except Canadian citizens and landed immigrants of Canada) are prescreened to determine whether they meet the entrance requirements for the Cornell school or college in which they have an interest. Special preliminary applications are required for this purpose and can be obtained by writing the Assistant Director for Foreign Student Admissions, International Student Office, Cornell University, 200 Barnes Hall, Ithaca, New York 14853. These preliminary applications must be received thirty days before the date on which final applications are due. Applicants themselves may not determine whether they are foreign students since this is determined by their visa status.

General Admission Policy

It is the policy of Cornell University actively to support equality of educational and employment opportunity. No person shall be denied admission to any educational program or activity or be denied employment on the basis of any legally prohibited discrimination involving, but not limited to, such factors as race, color, creed, religion, national or ethnic origin, sex, age, or handicap. The University is committed to the maintenance of affirmative action programs which will assure the continuation of such equality of opportunity.

A brochure describing services for the handicapped student may be obtained by writing to the Office of the Dean of Students, Cornell University, 103 Barnes Hall, Ithaca, New York 14853. Other questions or requests for special assistance may also be directed to that office.

Each of the undergraduate schools and colleges is limited in the number of students it can accommodate. The number of qualified applicants for freshman and transfer admission exceeds the number that can be admitted. Candidates may submit only one application for a given semester and be considered for admission by only one undergraduate division at a time. Applicants compete only with those seeking admission to the same Cornell school or college. Each undergraduate unit has its own selection committee, admitting those who have best demonstrated they deserve acceptance. Those schools and colleges that focus on professional programs emphasize the selection of students who, having met all other

qualifications, show the best evidence of being suited for the field of work to which the course of study is directed.

Choosing the undergraduate unit to which to apply is most important and should be given careful thought. Requirements for admission and graduation vary considerably from one division to another. These should be considered in relation to a student's abilities, interests, achievements, and academic and vocational goals. Secondary school counselors should be consulted and Cornell admissions officers are always ready to assist prospective applicants. (University Group Admissions Conferences, p. 63, may be especially valuable in helping prospective students select the appropriate undergraduate unit.)

While students at Cornell do transfer from one undergraduate school or college to another after enrolling, such internal transfer cannot be guaranteed. Counseling is available to those who find themselves in an inappropriate course of study and every effort is made to assist students in transferring within the University so they can satisfactorily complete an undergraduate program. Those who are unable to transfer directly from one Cornell school or college to another, but who appear to have a reasonable chance for academic success in another area of study, may be admitted to the Division of Unclassified Students for one or two semesters. Students in the division enroll in the same courses they would normally take if they were registered in the new academic unit while attempting to meet the transfer requirements of that school or college.

Academic Competence

Cornell University is devoted primarily to the intellectual development of its students. Those selected for admission must have demonstrated clearly the intellectual capacity to carry on the academic work and to profit from the instruction. Intellectual preparedness for study at Cornell is judged mainly by the candidate's secondary school record (and college record, if a transfer student), the recommendations of school authorities, and standardized college admissions tests.

Extracurricular Activities

To supplement the basic requirement of demonstrated intellectual capability, evidence of the candidate's capabilities in nonacademic areas is an important consideration in admissions decisions. This factor is judged by the student's participation in school and community extracurricular activities and by the use made of vacation periods. Work experience or other activity related to the candidate's vocational or professional objective is also important.

Character, Personality, and Motivation

The intangible but important factors that form good character and an effective personality all receive full consideration by the selection committee. Evidence of a sound motivation for attaining higher education in general, and for pursuing a specific field of education is also

desirable. Capacity for leadership and concern for others receive due weight. Those factors are usually judged by the report from the applicant's secondary school and by interview reports, when available. Some University divisions require interviews, whereas in others the need for an interview is left up to the applicant. (See pp. 63–64 for information regarding interviews and group conferences.) Interviews are also conducted by alumni secondary school committees operating in many sections of the country; such contacts are often helpful in providing the candidate with additional information about Cornell.

Geographical Distribution

Cornell University draws its students from all parts of the United States and more than ninety foreign countries. The University is proud of the cosmopolitan and diverse makeup of its student body. It believes in the educational values inherent in bringing to the campus persons of widely different backgrounds and directs its admissions policies to the furtherance of these objectives.

The undergraduate divisions financially supported by New York State — the College of Agriculture and Life Sciences, the College of Human Ecology, and the School of Industrial and Labor Relations — recognize these same values and encourage applications from well-qualified out-of-state students. Most of their candidates are, however, selected from among applicants who reside in New York State. The private divisions — the Colleges of Architecture, Art, and Planning; Arts and

Sciences; Engineering; and the School of Hotel Administration, impose no restrictions as to residence. In choosing from among candidates of approximately equal qualifications, some preference may be given to those whose homes are in areas not adequately represented in the student body.

Children of Alumni

The University desires to include in the student body as many of the children of its alumni who are qualified for admission as existing admissions competition will allow. In choosing between candidates of approximately equal qualifications, including scholarship, extracurricular activities, character, personality, and motivation, the son or daughter of an alumnus will receive preference in some divisions of the University. The Cornell relationship receives serious consideration by selection committees although the statutory units, because of their New York State affiliation, cannot weigh it as heavily as the endowed divisions.

Retention and Graduation of Undergraduates

The table below follows the freshman class entering in the fall of 1972 through five years until the beginning of the sixth year (fall 1977). It is important to go beyond the normal four years when most students would have

received baccalaureate degrees to account for those in longer programs, especially the five-year program in architecture, for students who left the University for short periods but returned to complete degrees, and for others who may have "lost time" by changing from one program to another within the University.

By the fall of 1977, 79.5 percent of the

students that entered endowed undergraduate units in 1972 (Architecture, Art, and Planning; Arts and Sciences; Engineering; and Hotel Administration) had either graduated or were still enrolled. In the statutory units (Agriculture and Life Sciences; Human Ecology; and Industrial and Labor Relations) 82.7 percent had graduated or were still working toward a Cornell degree.

Retention and Graduation of Undergraduate Students Cornell University Freshmen Entering Fall 1972 (Class of 1976)

Endowed Colleges

<i>Year</i>	<i>Percentage Graduated by End of Year</i>	<i>Year</i>	<i>Percentage Enrolling at Beginning of Year*</i>	<i>Total Percentage of Graduated and Enrolled</i>
1	—	2	89.4%	89.4%
2	0.1%	3	80.0	80.1
3	3.6	4	77.0	80.6
4	68.2	5	11.8	80.0
5	77.7	6	1.7	79.4

Statutory Colleges

1	—	2	90.1%	90.1%
2	0.3%	3	81.8	82.1
3	3.0	4	79.5	82.5
4	75.0	5	7.6	82.6
5	80.4	6	2.3	82.7

*Includes students who have withdrawn, taken leaves of absence, and who have returned.

Source: New York State Education Department Form 2.9.

Admissions Conferences, Personal Interviews, and Tours of the University

Prospective students and their families are encouraged to visit the campus and to arrange for discussions with members of the faculty or admissions staff and in other ways to become familiar with the University. The University Office of Admissions and the undergraduate schools and colleges offer a variety of opportunities for group conferences and individual interviews. All individual interviews are by appointment. Interested students are encouraged to write or telephone suggesting a date and time, and alternates if possible, at least three weeks in advance of the date requested. Each undergraduate division arranges its own individual interviews and group meetings and students should communicate with the appointment secretary at the address or phone number listed on the following pages for each school or college. Add to each address, Cornell University, Ithaca, New York 14853.

If handicapped students wish to visit the campus special arrangements can be made for interviews, attendance at group meetings, tours, and other special needs. Those wishing such individual arrangements should communicate well in advance with Mrs. Marjorie Sullivan, Assistant to the Director of Admissions, 410 Thurston Avenue, Ithaca, New York 14850 (telephone 607/256-5050).

Hotel Administration. It is the responsibility of the prospective student to arrange for the required interview. On-campus interviews are strongly encouraged, but when a visit to the campus is impossible, arrangements can be



Industrial and Labor Relations. The School initiates correspondence directly with students about required interviews after they have applied for admission. Normally, alumni interviews or informational visits to the School do not substitute for the formal interview. Arrangements for informational visits, generally scheduled on Monday morning or Friday afternoons, may be made by writing the Admissions Office, 101 Ives Hall, or calling 607/256-2221.

Optional Individual Interviews and Group Sessions

Agriculture and Life Sciences offers admissions conferences, either in small groups or individually, by prior appointment from May 1 to late December. Individual appointments for prospective freshmen and transfer applicants are available, as time allows, weekdays from 10 a.m. to 12 noon and 2 to 4 p.m. Group sessions are scheduled on Monday and Friday afternoons at 2 p.m. Transfer applicants are usually granted individual appointments to discuss their preparation for transfer. Appointments and conferences are not scheduled on Saturdays or University holidays. Address: 195 Roberts Hall; telephone: 607/256-2036.



Arts and Sciences recommends that students visit the campus for a personal interview. Although not required for admission, an interview does provide the admissions representative with an opportunity to talk with the prospective student and to record any observations that may be useful to the Admissions Committee. Personal interviews for prospective freshmen are conducted on campus Monday through Friday from 9 a.m. to 4 p.m. June 1 through January 15; between September 1 and January 15, interviews are also conducted Saturday mornings from 9 a.m. to 12 noon. Due to the large number of requests, all appointments should be scheduled well ahead of time by writing the College of Arts and Sciences Admissions Office, 150 Rockefeller Hall; or by calling 607/256-4833. *Transfer applicants* may arrange for interviews until mid-April.

All prospective students and their families are invited to attend Arts and Sciences Panel Discussions. A member of the admissions staff, a student, and a faculty member lead these discussions, which focus on the curriculum, special programs and options, student life, and admissions and financial aid policies. These sessions are intended to be informative rather than evaluative. They are held on Monday and Friday at 2:30 p.m. and on Saturday at 10 a.m. from June 1 to January 15. Although not required, appointments are recommended and may be arranged by contacting the College's Admissions Office at the address above.

Engineering highly recommends, but does not require, that prospective students visit the

campus for a personal interview. Interview appointments are generally available from 9 a.m. to 12 noon and 1 to 4 p.m. on weekdays, and 9 to 11:30 a.m. on Saturdays according to the schedule below. Appointments for interviews are strongly recommended to assure the availability of an admissions staff member and are made by contacting the Admissions Secretary, 221 Carpenter Hall; telephone 607/256-5008.

<i>Dates</i>	<i>Interview Times</i>
Sept. 1–Feb. 1 and Apr. 15–June 1	Any weekday and Saturday mornings, except official University holidays
Feb. 1–April 15	Monday and Friday and Saturday mornings, except official University holidays
June 1–Sept. 1	Weekdays only, except official University holidays

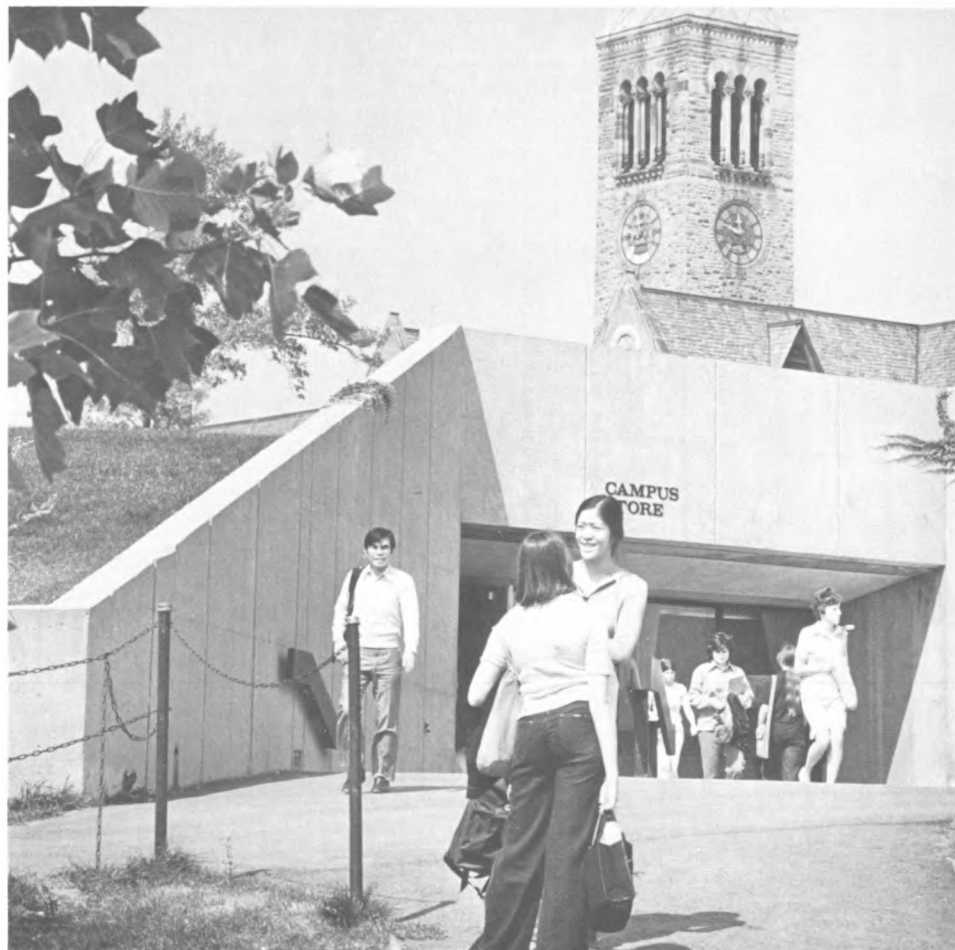
Human Ecology offers small group conferences on Monday and Friday at 10:30 a.m. and 3 p.m. all year. From May 1 until February 1, individual conferences may be scheduled as time permits on Tuesday, Wednesday, and Thursday from 10 a.m. to 12 noon and 2 to 4 p.m. Prospective transfers may arrange appointments until April 1. A group conference is also available at 10 a.m. on one Saturday each month in the fall. Appointments for all conferences should be made at least one week in advance of the visit to campus by contacting the Admissions Secretary, N101 Martha Van Rensselaer Hall, or calling 607/256-5471.

Information and Referral Center and Campus Tours

The Information and Referral Center assists students, faculty, staff, and visitors by distributing free literature, answering questions, and giving directions. The center's goal is to minimize confusion and help people avoid having to contact several offices with their questions, whether asked in person, over the telephone, or by letter. Questions to which answers are not readily available will be researched by the center staff. The center is located in Day Hall near the East Avenue entrance and is open Monday through Saturday from 9 a.m. to 5 p.m. (telephone 607/256-6200).

The center conducts University campus tours every day except certain University holidays. The tours, given by student guides, provide visitors with a general survey of Cornell's history while showing them the beauty of the campus. The tours leave from the Information and Referral Center at the times given below. During holidays and intercession periods, it is advisable to call ahead to ensure that the tour you wish to take will be offered.

	<i>Weekdays</i>	<i>Saturday</i>	<i>Sunday</i>
April 1—	11:15 a.m.,	11:15 a.m.	1:00 p.m.
Oct. 31	1:30 p.m.		
Nov. 1—	1:30 p.m.	11:15 a.m.	1:00 p.m.
Mar. 31			



Admission of Freshmen

Applications

The application process is designed to gather necessary information about candidates for admission while affording applicants opportunity to describe themselves and their interests, achievements, and educational, vocational, and professional goals in some detail. Selection committees give careful and thoughtful consideration to each applicant, and the information supplied on the application forms is of critical importance.

January 15, 1980 is the deadline for submitting Form 1 of the application for

admission for all undergraduate schools and colleges and for financial aid applications. Since assembling complete records for all candidates takes considerable time, and the review of applications is a long and detailed process, prospective candidates are urged to request applications by December 1. Prompt return of completed materials is to the candidate's advantage.

Subject and test requirements for each academic division are contained in a chart on pages 70–71. These requirements should be noted carefully.

Early Decision Plan

The Colleges of Agriculture and Life Sciences, Arts and Sciences, and Engineering and the School of Hotel Administration offer an Early Decision Plan to a limited number of highly qualified high school seniors whose first college preference is Cornell. In addition to the regular application for admission, each applicant interested in early decision is required to submit an Early Decision Request form by November 1 with which the applicant agrees to withdraw all other applications if accepted for admission to Cornell. This form accompanies each set of applications distributed by late October.

Candidates are notified of the University's decision, including financial aid, by the middle of December. Those not selected for early acceptance but who seem to be qualified for further consideration during the regular review process are notified that action on their applications has been postponed. The Scholastic Aptitude Test of the College Board

(taken no later than November of the senior year), or the American College Testing Program Examination (taken no later than October of the senior year) is required. College Board Achievement Tests required by the Colleges of Arts and Sciences and Engineering do not have to be submitted for early decision review, but these requirements must be completed by accepted candidates before entrance. Early decision candidates whose applications are postponed for regular review must complete the required achievement tests no later than the January test date. A leaflet describing the Early Decision Plan is available from the University Office of Admissions.

Early Admission

Each year a few students request consideration for admission after only three years of secondary school. Some of these students receive a high school diploma by completing all requirements in three years; others leave school lacking one or a few credits. Admissions committees will give serious consideration to those applicants who have exhausted the offerings of their secondary schools and who, in addition, give a clear indication of a level of maturity sufficient to make early college entrance desirable and appropriate. Those students who have the opportunity to take advanced, accelerated, or college-level courses during their fourth year in secondary school are usually encouraged to do so unless this action would inhibit the development of some academic strength.



Since there is variation from one Cornell division to another regarding early admission, a student applying as an early admission candidate is encouraged to write the school or college of his or her choice at Cornell or to make an appointment for an on-campus interview to discuss such plans and reasons for wishing to enter early.

Selection Process and Notification

A committee in the school or college to which the candidate has applied selects those it considers most entitled to admission from among all who have applied to that division.

Four divisions of the University — the Colleges of Agriculture and Life Sciences, Engineering, and Human Ecology and the School of Hotel Administration — follow a policy of "rolling admissions." Decisions are reported to applicants over a period of time, with some letters going out as early as February 15, but with most of them mailed during March and the first half of April. The selection committee in each of these divisions must review a large number of applications and the fact that some applicants hear from Cornell considerably later than others simply may mean that consideration of their applications has been delayed by this time-consuming process. In short, one should not infer that relatively late notification is related to how Cornell regards the quality of the applicant.

Applicants for the Colleges of Architecture, Art, and Planning and Arts and Sciences and the School of Industrial and Labor Relations are advised of the outcome on the common notification date in mid-April.

Most financial aid notification announcements also are mailed on the mid-April common notification date to candidates for all divisions.

Delayed Enrollment

Some students accepted for freshman admission may wish to delay their enrollment until the following year or later. This is usually permitted in all divisions, provided the student is committed to Cornell for entrance at a later time and will not be applying elsewhere. An accepted student who wishes to delay entrance should: (1) accept Cornell's admission offer by the stated date; (2) complete and return the registration fee coupons which come with an acceptance, along with the required \$50 fee; and (3) explain in an accompanying letter reasons for requested enrollment delay and when entrance is desired.

If the request for delayed entrance is approved, the student will be guaranteed a place in the specified future freshman class.

Spring Term Freshman Admission to Arts and Sciences

The College of Arts and Sciences offers admission to freshman candidates for the spring term. Applications must be submitted by November 1 and students will be notified by mid-December. January admission may be especially attractive to those who graduate from high school at midyear and wish to enter college immediately as part of their plans for

acceleration and to those who wish to defer college entrance for a semester in order to gain a different kind of experience, such as work or travel. Some of the spring term freshmen are selected from those on the waiting list for the previous fall term; they are notified of admission by July 1.

Foreign students currently residing in the United States are invited to apply for admission at midyear. However, since it is difficult to obtain the proper documents for study in the U.S., students residing abroad are requested to apply for entrance in the fall semester.

Freshmen accepted for the spring term who may have taken college-level work during the fall semester are requested to have course descriptions and official transcripts sent to the Recording and Scheduling Office, College of Arts and Sciences, 144 Goldwin Smith Hall.

Admission of freshmen for the spring term is available only in the College of Arts and Sciences.

Test Requirements for Admission

College Entrance Examination Board Tests

Freshman candidates are urged to take the College Entrance Examination Board (CEEB) Scholastic Aptitude Test no later than the December test date of the senior year and any required CEEB Achievement Tests no later than the January test date for fall entrance. Any tests taken after these dates may seriously jeopardize chances for admission. They must request the College Board to send the official score report to Cornell University. Scores reported on school transcripts or in other ways are not acceptable.

Candidates may obtain application forms for

these tests either through their schools or by writing directly to the College Entrance Examination Board at Box 592, Princeton, New Jersey 08540, or Box 1025, Berkeley, California 94701.

American College Testing Program Tests

All divisions will accept the results of the American College Testing Program as either a partial or a complete substitute for the College Board Tests. (See pp. 70–71 for detailed requirements.)

Candidates for fall entrance are urged to take the tests no later than the October test date of the senior year. Registration packets may be obtained from secondary schools or from the American College Testing Program, P.O. Box 168, Iowa City, Iowa 52240, or 216 Goddard Boulevard, King of Prussia, Pennsylvania 19406.

Candidates must ask the American College Testing Program to send the official score report to Cornell University. Scores reported on school transcripts or in other ways are not acceptable.

New York State Regents Examinations

The Regents Examinations, prepared by the New York State Education Department, are not required by any division of the University. They are particularly desired, however, of applicants from New York State who are candidates for admission to the College of Agriculture and Life Sciences or the School of Industrial and Labor Relations, and they are useful in the evaluation of candidates for the other divisions as well.

More detailed information regarding subjects, tests, and other requirements for each of the individual schools and colleges is contained in a chart on pages 70–71.

Freshman Summer-Start Program

This special program is available for incoming Cornell freshmen who wish to begin their college careers in the summer. The program provides the opportunity to earn credit toward a degree and, at the same time, eases the student's transition to the rigors of university life. Participants take two undergraduate courses. One is of the student's own choosing. The other is a special Freshman Seminar course designed to improve the writing skills that freshmen lack but that are basic to successful performance in so many Cornell courses. Students live together in a dormitory with resident counselors, in a situation intended to provide informal association with faculty members. The advantages of the early start program are many and will vary from student to student: to adapt early to college life; to make friends and meet faculty in the informality and small classes of the summer session; to get a head start in a probable major; or to work toward an accelerated degree. The opportunity to study at Cornell while the campus is uncrowded and while the natural attractions of the Ithaca area are at their most inviting is an additional advantage.

For more detailed information write to Summer Session, Cornell University, 105 Day Hall, Ithaca, New York 14853.



Advanced Placement of Entering Freshmen

Entering freshmen may qualify for advanced placement or credit or both on the recommendation of the appropriate departments of instruction and with the approval of their school or college. Policies and procedures relating to the award of advanced placement and credit vary from one Cornell undergraduate school or college to another and students are advised to consult with a member of the admissions staff in the individual units for detailed information.

Results of examinations sponsored by the College Entrance Examination Board (the Advanced Placement Program and the College-Level Examination Program), the United States Armed Forces Institute, and the New York State College Proficiency Examination are considered in recommending placement or credit. In addition, several Cornell departments offer their own examinations given on campus during Orientation Week.

Students may also qualify for credit based on previous college work completed at Cornell or elsewhere. Copies of transcripts and course descriptions should be sent to the appropriate school or college office at Cornell.

A leaflet describing advanced placement in greater detail is available from the Office of Admissions, Cornell University, 410 Thurston Avenue, Ithaca, New York 14850.



Foreign credentials. Information regarding Cornell University's advanced standing policy for foreign credentials may be obtained by writing the Assistant Director for Undergraduate Foreign Admissions, 200 Barnes Hall. Students holding foreign credentials who feel they may be eligible for advanced standing consideration should contact the International Student Office prior to enrollment for clarification of the advanced standing policy.



Subject and Test Requirements for Freshman Admission

Secondary School Subjects	Standardized Tests	
Agriculture and Life Sciences	16 units, including 4 units of English and 3 units of math	SAT or ACT results
Architecture, Art, and Planning	<i>Architecture:</i> 16 units, including 4 units of English, 4 units of math (including intermediate algebra, plane geometry, trigonometry), and 3 units of one foreign language or 2 units each of two foreign languages or satisfactory score on CEEB Achievement Test in a foreign language. (A deficiency in this requirement must be explained in a letter accompanying the application for admission. Students who enroll with a language deficiency must complete the requirement in college or in summer school.) <i>Art:</i> 16 units, including 4 units of English, 3 units of math, and 3 or 4 units of foreign language (as explained above)	SAT or ACT results
Arts and Sciences	16 units, including 4 units of English, 3 units of math, and 3 units of one foreign language. (Deficiencies in subject requirements should be explained in a letter accompanying application for admission.)	SAT or ACT results and 3 Achievement Tests in different subjects, one of which must be the English Composition Test.
Engineering	16 units, including 1 unit of chemistry, 1 unit of physics, and 4 units of math (to include 2 units of algebra, 1 unit of geometry, and 1 unit of a precalculus subject such as trigonometry)	SAT results and CEEB Achievement Tests in math (level I or II) and in chemistry or physics; or ACT results.
Hotel Administration	16 units, including 4 units of English, 3 units of math, and 1 unit of chemistry	SAT or ACT results for all whose native language is English (Math Achievement Test, level I or II, may be substituted for Math SAT); TOEFL (Test of English as a Foreign Language) required of nonnative speakers of English unless educated in English language schools.
Human Ecology	16 units, including 4 units of English, 3 units of math, and 1 unit of biology, chemistry, or physics	SAT or ACT results (May be waived for older students.)
Industrial and Labor Relations	16 units, including 4 units of English	SAT results <i>plus</i> CEEB Achievement Tests in English and math (level I or II); or ACT results.

Additional Requirements	<i>Other</i>	Other Recommended Preparation or Tests	Special Admissions Options	Undergraduate Degree
<i>Interviews</i>				
[Optional]	Must be 16 years old	18 high school units, including 3 units of science (biology, chemistry, and physics) strongly recommended. New York State residents urged to submit Regents Examinations scores; those who take SATs urged to take CEEB Achievement Tests in 2 of: English composition, math, and science.	Early decision *Early admission Delayed enrollment	B.S.
Required; preferably on campus. Interview with a designated alumnus of the program within the College for which the student is applying may be substituted in some cases. An essay describing one's interest in the field required when an interview cannot be arranged.		Portfolio of work done by applicant or slides thereof. 1 unit of high school physics recommended.	*Early admission Delayed enrollment	B. Arch. B.F.A. B.S.
[Optional]		CEEB Achievement Test in any foreign language to be continued for credit in college	Early decision *Early admission Delayed enrollment Spring term admission of freshmen, transfers, and special students	A.B.
[Optional]		1 year of biology recommended for those interested in bioengineering	Early decision *Early admission Delayed enrollment	B.S.
Required; preferably on campus. Field interviews with Hotel School graduates may be arranged if the candidate lives a considerable distance from campus.		Additional math and science (especially physics), social studies, foreign language	Early decision *Early admission Delayed enrollment	B.S.
[Optional]		1 unit of biology and 1 unit of chemistry or physics recommended	*Early admission Delayed enrollment	B.S.
Required (Field interviews with ILR graduates may be arranged if a candidate lives outside of New York State and cannot arrange a campus visit.)	500-word essay describing interest in ILR field.		*Early admission Delayed enrollment *See notes on Early Admission, p. 66.	B.S.



Admission of Transfer Students

Cornell Definition of a Transfer Candidate

If at the time of proposed entrance to Cornell, a student no longer associated with a high school will have the equivalent of one semester or more of college work, that student is to be considered as a transfer candidate. (An exception is that a high school student who graduates at midyear and pursues a college program for the rest of that academic year will be considered as a *freshman* candidate, with consideration for advanced standing credit as appropriate, and the freshman application deadline applies.)

Students who have attended another college or university may apply for transfer to any of the undergraduate divisions at Cornell. A leaflet entitled *Transfer to Cornell* contains complete instructions and is sent to all transfer applicants. Advance copies may be obtained upon request from the Office of Admissions, 410 Thurston Avenue, Ithaca, New York 14850.

Transfer applications are available from the Office of Admissions, 410 Thurston Avenue. Form 1 of the application must be returned by March 15 for transfer in September 1979. Candidates for transfer admission are encouraged to submit application materials well ahead of the deadline to allow sufficient time to gather and review credentials. Applicants for the College of Architecture, Art, and Planning should, wherever possible, apply by January 15 for fall term admission.

All divisions also consider transfer applications for the spring term with a deadline

of November 1 for submitting Form 1 of the application. (Note: the College of Architecture, Art, and Planning will normally only consider candidates who have upperclass standing in professional architecture or art programs for spring term transfer.)

Engineering, Human Ecology, and Hotel Administration will consider transfer candidates for spring term admission even if they will have completed only one semester of college. Other divisions normally require completion of at least one year of college work for spring term transfer consideration although in special instances Agriculture and Life Sciences, Arts and Sciences, and Industrial and Labor Relations will consider spring term candidates who will have only one semester of college work.

Individual interviews are required by the College of Architecture, Art, and Planning and the School of Hotel Administration. The School of Industrial and Labor Relations requires a 500-word essay and recommends, but does not require, an individual interview.

Transfer applicants should be prepared to furnish transcripts of all work completed at the college level. For students wishing to be admitted in *September*, the transcript should include work taken the previous fall term plus a listing of courses being taken during the spring term. For students wishing to be admitted in *January* (spring term), the transcript should include work taken through the previous summer, plus a listing of courses being taken during the fall term.

An admitted transfer student will be required to submit a transcript of all college work completed before entrance to Cornell.



Most transfer applicants are required to submit scores of the College Board or ACT examinations. For details consult the leaflet *Transfer to Cornell*.

Although students from community colleges and other two-year college programs may apply to any division of the University, the Colleges of Agriculture and Life Sciences, Engineering, and Human Ecology and the School of Industrial and Labor Relations particularly encourage applicants from these programs. Students should write to the transfer selection committee heads of these divisions for information pertaining to admissions procedures, financial aid, and advanced standing.

Special Students

Special students are those who enroll for one or more semesters and take a full program of studies as nondegree candidates. (Those interested in less than full academic programs should contact the Division of Extramural Studies, 105 Day Hall.) Each year most of Cornell's undergraduate schools and colleges admit a number of special students interested in attending the University on a short-term basis for a variety of reasons.

Many special students come to Cornell to study in absentia from other collegiate institutions for courses not offered at their home colleges. Examples of special arrangements for such students are the "Visiting Student" programs in Agriculture and

Life Sciences and Industrial and Labor Relations.

It is also common for people already employed to study as special students to enhance career opportunities in current fields of work or to assist in changing careers. In some cases, students may use the special student category to make up deficiencies from previous undergraduate study in preparation for graduate or professional schools; however, the College of Agriculture and Life Sciences does not admit special students for preprofessional training in such areas as premedical, prelaw, and prevet.

Occasionally the special student category is used as a provisional acceptance to degree status, where a candidate may possess an unusually strong talent or experience related to an intended field of study but lacks the normal academic requirements for regular admission. This is especially true in the College of Architecture, Art, and Planning and in the School of Industrial and Labor Relations.

Each of Cornell's schools and colleges makes provisions for qualified enrolled special students to transfer to degree status. In no case, however, is transfer to a degree program automatic or guaranteed. Requirements and procedures for such transfer vary from one unit to another so those interested should consult the appropriate admissions representative.

A form requesting consideration as a special student must accompany the regular application form. This form may be obtained from the University Office of Admissions or from the individual school and college admission offices.

Health Requirements

Each entering student (undergraduate or graduate) is expected to assume personal responsibility for fulfilling the following health requirements adopted by the Cornell University trustees. Permission to register will not be granted unless all health requirements have been fulfilled.

Each student is required to submit a health history and to have a medical examination. (This applies also to special students who must meet other medical and health requirements, such as physical education and military training.) A student accepted for admission will be sent forms to be filled out and returned promptly to the Gannett Medical Clinic.

A University physician will review the material before it becomes part of the student's permanent health record. All information given is confidential. If the medical history indicates a need, a student will be given an appointment to consult a physician at the clinic. When a student has been away from the University for more than a year, that student must, upon reentrance, submit an interim health history on a University form.

All undergraduate students are required to be properly immunized against tetanus. While not required, it is strongly recommended that graduate students also have proper tetanus immunization. The University Health Services will make available at the Gannett Clinic initial immunization and booster doses of tetanus toxoid at a nominal charge for those who are unable to obtain immunization at home.



Special Opportunity Programs

Cornell University administers a variety of programs designed to provide academic and personal support and financial assistance to (1) minority students and (2) low-income students who meet program guidelines.

The emphasis of these special programs is to aid in increasing representation of students from minority groups present in New York State who historically have been underrepresented in higher education. However, participation is also available to those residing outside New York State. For details, prospective students should consult information included in each undergraduate application for admission.

Each year a limited number of students are admitted to Cornell who, because of their economic or educational backgrounds, might not normally have considered applying. In these cases, criteria other than traditional academic standing and test scores are often weighed more heavily in admissions decisions. Financial aid programs are open to any student meeting program specifications.

Federal programs — Basic Educational Opportunity Grants (BEOG), Supplemental Educational Opportunity Grants (SEOG), and the College Work Study Program (CWSP) assist those meeting specific economic guidelines. (See details in the section which follows on financial aid.)

New York State provides special assistance to residents of the state who meet both lower academic and economic guidelines through the Higher Education Opportunity Program (HEOP) and Educational Opportunity Program (EOP). (See further details on pp. 78–79.) Eligibility guidelines are published in materials that accompany the Cornell application for admission.

Cornell University. The Committee on Special Educational Projects (COSEP) assists minority students by providing financial assistance and a variety of support services. Those who believe they qualify and wish to be considered for COSEP must request such consideration on Form 1 of the application for admission. Qualified applicants not electing COSEP assistance compete for admission and financial aid with the general applicant pool. COSEP, in conjunction with the individual schools and colleges at Cornell, provides services designed to promote a favorable initial campus adjustment which has been found to be a principal determinant of college success. The following services are available through COSEP:

Summer Programs. These are for applicants for whom prior preparation and academic goals indicate a particular need that can best be met by prefreshman six-week summer courses. Those expected to attend will be advised at the time of acceptance for admission.

Special Orientation. All program participants attend the special orientation (starting approximately one week before regular orientation) to receive a special briefing and introduction to the campus. Diagnostic testing also will be administered for purposes of course-load counseling for the fall.

Academic Assistance and Services. The Learning Skills Center makes available preparatory courses for core subjects, tutorials, and study skills training. The center also provides access to typewriters, a reserve library, tapes, and calculators. A general counseling service is also available to assist COSEP students in making effective use of other University resources such as the Career Center, Guidance and Testing Office, and Health Careers Program Office.

Personal Services and Activities. The COSEP staff also addresses itself to student concerns such as work study, leadership training, and development of leadership skills. It also provides assistance to student groups in areas of financial budgeting and program planning.

The support services described above, although available throughout the college career, are especially designed to assist and ease the student's adjustment during the first year.

Expenses and Financial Assistance

Seventy percent of all Cornell undergraduates receive some form of financial aid from University, state, federal, or other sources. Over 50 percent receive Cornell allocated scholarships, jobs, and/or loans. The purpose of financial aid is to ensure that the University continues to make it possible for students of all degrees of financial capability to attend Cornell.

No student should hesitate to apply for admission because of financial circumstances. It is the University's goal to offer financial assistance to all freshman candidates accepted for admission to the extent of calculated need. All financial assistance is awarded on the basis of demonstrated financial need according to the standards of the College Scholarship Service. Details of Cornell's financial aid program are included in each application packet.

Most students plan to finance their education through a combination of a contribution from parents, the student's own contribution from savings, assets, and earnings from summer and vacation employment, and, if need is demonstrated, by financial assistance. The total amount of aid awarded is based on remaining need determined by subtracting the total family contribution from the estimated cost of attendance. If the student is eligible for a scholarship, grant, or loan from a source other than Cornell University, the University subtracts the amount of this assistance from the estimated financial need and attempts to meet fully the remaining need. (For information on assistance after the first year, see p. 81.)

Transfer students also may apply for

financial aid, but competition for awards is keener than for freshman students.

Foreign transfer student applicants for financial aid will be considered only if they will have completed an associate degree by the time of anticipated enrollment.

Financial Aid for Dependent Students

<i>Parents' Income</i>	<i>Percentage of Students Receiving Financial Assistance*</i>
0 - 5,999	98
6,000 - 11,999	98
12,000 - 19,999	94
20,000 - 29,999	85
30,000 - 39,999	55
40,000 - 44,999	35
over 45,000	20

*Percentages are based on the number of students who filed Financial Aid Forms for 1978-79 through the College Scholarship Service.

Expenses

The total expense budget for a student includes tuition, basic living costs, and travel.

Tuition

<i>College, School, or Division</i>	<i>Tuition for Academic Year 1979-80</i>		
Agriculture and Life Sciences:		Human Ecology:	
resident*	\$2,216	resident*	\$2,216
nonresident	3,668	nonresident	3,668
Architecture, Art, and Planning	5,256	Industrial and Labor Relations:	
Arts and Sciences	5,256	resident*	2,216
Engineering	5,256	nonresident	3,668
Graduate School:		Law School	5,256
with major field of study in an endowed division	5,256	Medical College†	6,700
with major field of study in Agriculture and Life Sciences, Human Ecology, or Industrial and Labor Relations	2,518	Graduate School of Medical Sciences†	6,700
with major field of study in Veterinary Medicine	3,832	Summer Session (per credit hour)	100
Graduate School of Business and Public Administration:		Extramural (per credit hour)	125
first-year student	5,584	Unclassified Students	5,256
second-year student	5,100	Veterinary Medicine:	
Hotel Administration	5,256	resident*	3,832
		nonresident, enrolled before July 1, 1976	4,762
		Nonresident, enrolled after July 1, 1976	5,474

*A resident is a person whose domicile is in the state of New York at the time of registration for the term.

†In New York City

1979-80 Estimate of Living Costs and Personal Expenses

Basic Living Costs

Registration fee (new students only)	\$ 50
Books and supplies*	244
Room and board†	2,300
Personal expenses	570
	<hr/>
	\$3,164
	plus travel

*Students in the College of Architecture, Art, and Planning and upperclass students in the Department of Design and Environmental Analysis are allowed an additional \$150.

†This allowance is for single students. Budgets for married students may be higher. New students who commute from their parents' home will have a room and board allowance of \$1,150.



Resources

Resources to meet the expense budget come from the family's contribution (parent and student) and various forms of financial aid (scholarships, grants, loans, and/or jobs) as explained below.

Family Contribution

Parents' Contribution

The Office of Financial Aid uses the information provided in the Financial Aid Form (FAF) to determine a fair contribution from each family. It takes into account the family's income and assets, the number of dependents, educational and medical expenses, certain types of debt, and other factors. This office uses the federally required and approved computation guidelines of the College Scholarship Service. Parents are required to submit notarized copies of their most recent federal income tax return to verify financial data reported on the Financial Aid Form.

Student's Contribution

The University expects all students to assist in meeting the cost of their education. A student's contribution includes earnings from summer and vacation employment, social security and veterans' benefits, and a portion of personal savings and assets.

Financial Aid

Cornell University offers a combination of gift (scholarship and grant) and self-help (loan and job) assistance. The financial aid package usually consists of a loan and job and, if need remains, a scholarship or grant. Self-help levels are reviewed annually and may be increased if funds are not available for gift assistance to meet increases in tuition and other expenses.

University Scholarships and Grants

Many students are eligible to receive a scholarship or grant from the University as well as from various federal and state programs.

The University budgets over \$8 million for undergraduate scholarships. (In addition, there are outside grants and scholarships as indicated in the next section.) The student applies for financial aid in general; the University matches the student to the most appropriate University or outside scholarship source.

Cornell Scholarships are awarded to those who still have a demonstrated financial need after allowances for outside awards and Cornell loan/job offers.

COSEP Scholarships are granted to students who are admitted through the COSEP program and awarded on the same basis as Cornell scholarships.

HEOP and EOP Grants. These New York State grants are awarded by Cornell to educationally disadvantaged students from

low-income families who, with special counseling and other supportive services from the University, show promise of success at Cornell. HEOP grants are for those enrolled in one of the private units of the University; EOP for those in the state-supported schools and colleges at the University.

Supplemental Educational Opportunity Grants (SEOG) are federal grants awarded by Cornell to students demonstrating exceptional financial need who would be unable to attend without the grant. The grants must be at least \$200 and not more than \$1,500 per year, and they may not total more than \$4,000 in four years, except for students in five-year programs who are eligible to receive up to \$5,000 total. Students must remain in good academic standing and must be making satisfactory progress to continue receiving the grant.

Direct State and Federal Assistance

Basic Educational Opportunity Grants (BEOG). These federal grants, ranging from \$200—\$1,800, based on financial need, are awarded by the federal government. Cornell attempts to identify eligible students and includes an estimate of this award in the aid package. It is the student's responsibility to obtain a grant application from a high school guidance office, library, or college financial aid office and to formally submit the application directly to the BEOG program.

Regents Scholarships and Tuition Assistance Program (TAP). New York State residents are eligible for state scholarship assistance. Awards range from \$200 to \$2,050

annually. Scholarships for children of deceased or disabled veterans are also available in amounts up to \$450 annually. Prospective students should obtain an application for this award from high school guidance counselors and submit it to the New York Higher Educational Services Corporation, Student Financial Aid Section, Empire State Plaza, Tower Building, Albany, New York 12255.

Other State Scholarship Programs. Some states offer state scholarships for students who are attending institutions out of the state and thus might be used at Cornell. These include (but are not necessarily limited to) Connecticut, Massachusetts, New Jersey, Pennsylvania, Rhode Island, and Vermont. Prospective students should consult their secondary school guidance counselor, state scholarship program office, or the Cornell Office of Financial Aid for further information about their state's programs.

Other Benefits

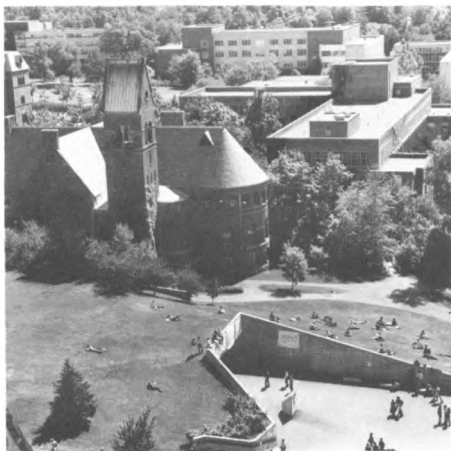
Students may be eligible for benefits from a variety of other sources, including: colleges and universities where parents are employed; the Social Security Administration; state offices of vocational rehabilitation; the Bureau of Indian Affairs; and the New York State Education Department program for Native American students residing on reservations within the state. Inquiries should be directed to the agencies involved, high school guidance counselors, or the Cornell Office of Financial Aid.

Employment

Many job opportunities, on- and off-campus, are available to Cornell students, regardless of financial need. Employment, in moderation, can be beneficial to a student's educational experience, and earnings can often reduce or eliminate the necessity to borrow to pay college expenses.

Cornell participates in the federally funded College Work Study Program. Job placement reaches to most areas of University activity. Every effort is made to refer students to positions compatible with their interests and qualifications, although such opportunities are not always available. Pay rates start at \$2.90 per hour, depending on the skills required and employment experience. Students are paid once every two weeks for hours worked. Once students have earned the amount for which they are eligible, federal regulations require that they be terminated from the program. Continuing work study or other University employment is not possible without clearance from the Office of Financial Aid.

Job opportunities are also available to those not participating in the work study program. Information is available from the Financial Aid Office, 203 Day Hall, or directly from employers. Federal regulations and University policies require students receiving financial assistance from Cornell to secure a clearance before accepting on- or off-campus jobs.



Loans

Several loan programs are available to assist students in meeting their financial needs. Students are not required to accept a loan in order to receive other types of aid.

National Direct Student Loans (NDSL) are University loans offered to undergraduates in amounts up to \$5,000 total for four years and to graduate and professional students in total amounts up to \$10,000. They are intended for students who have great financial need. No interest is charged on this loan while the student maintains at least half-time status, but interest of 3 percent is charged beginning nine months after he or she leaves school. The student has up to ten years to repay the loan after leaving school. Deferment of repayment is allowed for graduate work and for military, Peace Corps, and VISTA service. Up to 100 percent of the loan to a student who becomes a special education teacher or a teacher in an economically and culturally deprived area may be cancelled.

Cornell Federally Insured Student Loans (FISL) are loans assigned to students to whom the office has been unable to offer a National Direct Student Loan and who live in states that do not have a state loan program and/or are unable to obtain an FISL loan through a lender in their state. Lenders may include banks, savings and loan associations, credit unions, and insurance companies. A federal regulation stipulates that Cornell and other university lenders cannot offer an FISL unless the student can document that he or she has been rejected for a loan from at least one lender. A letter from a lender or a notarized statement from the student is satisfactory documentation; it should be forwarded to the Cornell Financial Aid Office. The interest rates and repayment provisions for these loans are similar to those for state loans detailed below.

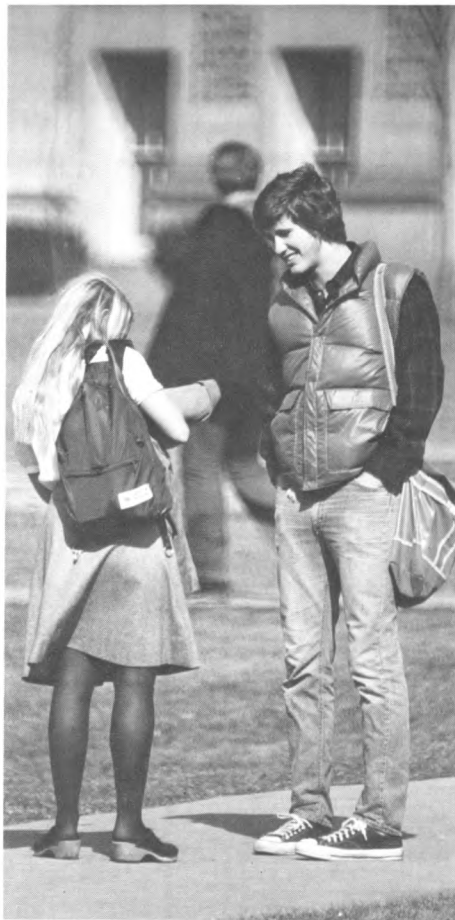
State Loans. Twenty-seven states currently offer loan programs to students attending institutions in or out of the home state. Loans made under the state loan program normally carry an interest rate of 7 percent. If the student does not borrow more than the amount recommended by the University, the federal government will pay the interest until nine months after graduation or the termination of at least half-time study. At that time repayment of both interest and principal will begin. Deferment of repayment may be permitted for graduate work and military, Peace Corps, and VISTA service.

Undergraduates may borrow up to \$2,500 per year to a maximum of \$7,500 in accordance with state requirements. Graduate students may borrow up to \$5,000 per year to a maximum of \$15,000, including loans during undergraduate years.

Aid Disbursement Schedule

Cornell scholarships and loans are usually credited to the student's University bill at the beginning of each term, normally one-half for the fall term and one-half for the spring term. Any changes in financial aid will be applied to bills as they may occur during the school year. Additional information will be supplied at the time awards are made.

Awards may be adjusted during the school year when there are significant changes in students' financial resources or expenses. Such changes should be reported to the Financial Aid Office so that a review of the assistance program may be made.



Application for Financial Aid

A Cornell application for financial aid is included with each application for admission. It must be completed by each candidate who wishes to be considered for financial assistance. It is also necessary to submit a Financial Aid Form (FAF), obtainable from secondary school guidance offices or the Cornell Office of Financial Aid. Candidates for admission in the fall semester should send the completed FAF to the College Scholarship Service, Princeton, New Jersey 08540 by January 15. Later submission will jeopardize the possibility of being awarded assistance. Those applying for admission in the spring semester or for the Early Decision Plan and who wish to be considered for financial assistance should consult the application for admission for information on deadlines for submitting the FAF and Cornell financial aid application.

Renewal in Subsequent Years

The financial aid package is for one year only but may be renewed upon application. Applications for renewal are available in the Office of Financial Aid in December of each year. Aid is normally continued as long as financial need continues, the student remains in good standing (is eligible to continue at Cornell), and maintains normal progress toward a degree. Students normally receive aid for a maximum of eight undergraduate semesters (ten for students in the Department of Architecture), and semesters attended at institutions other than Cornell are counted in

that total. Aid may be requested for semesters beyond the normal number. However, the aid package will generally vary significantly from prior years based on available funds and current policies. Amounts of assistance are based on an annual review of criteria and regulations governing the awards and the student's need level. Since requirements for good standing may vary among the individual schools and colleges within the University, students should consult the registrars of their divisions for specific information about remaining in good standing.

Orientation Sessions

All incoming recipients of aid and their parents are encouraged to attend the financial aid orientation sessions included in the Cornell orientation program. The orientation schedule includes dates and times of these sessions.

Financial Counseling Services

The University has a staff of financial aid advisers to answer questions about financing an education at Cornell. Students or parents who have questions about a financial aid package or who need assistance in budgeting should contact the Office of Financial Aid, 203 Day Hall.



Other University Charges and Procedures

In addition to the charges listed in the tables on page 77, certain financial obligations should be carefully noted by students entering the Ithaca divisions of the University, and taken into account in their budget of expenses. Fees in the Medical College and the Graduate School of Medical Sciences in New York City are listed in the *Announcements* of those divisions.

An application fee of \$25 must be paid at the time an application for admission is submitted for any division. The fee is nonrefundable. Candidates accepted for admission to an undergraduate school or college at the University and who plan to enroll are required to pay a \$50 registration fee by a date specified on the registration fee coupons which accompany the letter of acceptance. This fee is not applied to the tuition charges and is not refundable after the stated due date.

Payment of University Bills

The Bursar's Office mails statements at the beginning of each month to the home addresses of students who incur charges and to students who have amounts due the University.

Tuition and room charges are billed on a per-term basis approximately one month before the beginning of each term. Charges not billed on the first statement will appear on a subsequent monthly statement.

All charges are payable in full within twenty days of the billing date. Any amounts remaining unpaid, in whole or in part, after the due date of the statement on which the charges first appeared will be assessed a finance charge at the rate of 1 percent per month (12 percent annual interest rate).

Cornell offers an installment plan for payment of educational expenses through Academic Management Services, Inc. The cost of the service is \$30 per year. Further information about this plan will be mailed to parents of Cornell students.

An individual who has outstanding indebtedness to the University will not be allowed to register or reregister in the University, receive a transcript of record, have academic credits certified, be granted a leave of absence, or receive a degree.

The amount, time, and manner of payment of tuition, fees, or other charges may be changed at any time without notice.

Refunds

Part of the amount personally paid for tuition will be refunded if the student obtains an official certificate of Leave of Absence or Withdrawal at the office of the dean or director of the academic division involved. Students who terminate their registration in the University during a regular term in this manner will be charged tuition from the registration day to the effective date of the certificate as follows: first week, 10 percent; second week, 20 percent; third week, 30 percent; fourth week, 40 percent; fifth week, 60 percent; sixth week, 80 percent; seventh week, 100 percent;

except that no charge will be made if the effective date is within the first six days, including registration day.

The University makes available tuition insurance which provides refunds in the event of leave of absence or withdrawal for medical or emotional reasons. Complete details regarding this coverage and applications accompany the August tuition bill.

The \$25 application fee for University residence halls is nonrefundable except when lack of space prevents the offer of a room assignment. The \$60 security deposit which guarantees a contract for a room in the residence halls is refundable, less damage charges, upon fulfillment of the contract.

Students participating in a prepaid dining plan who withdraw from the plan during a semester are eligible for a prorated refund based on the number of days the contract was in effect.

In addition to refunds for which students may be eligible, those receiving financial aid from the University who withdraw during a term will have their aid reevaluated, possibly necessitating repayment of a portion of aid received. Repayment to aid accounts depends on the type of aid received, government regulations, and the period of time in attendance. A partial semester will generally count as one of the eight semesters of financial aid eligibility normally allowed a student.



Excess Hours Tuition

Students in the state-supported divisions who wish to take courses in the endowed divisions beyond the hours allowed free under the rules of those state-supported divisions, may be allowed to do so on payment for the additional hours of instruction at the rate of tuition in the college in which the instruction is given. Financial aid recipients can request additional loan or job assistance to cover such additional tuition.

Special Fees

The following fees are imposed under certain conditions: late registration, \$10; makeup examination, \$10; late filing of study card, \$10; late change of program, \$10; failure to check out chemistry desk, \$5; bad check fine, \$10.

Further Information

More detailed student information, required by state and federal regulations, will be available in the *Announcement of Academic Information*, a handbook for enrolled students, and from the Office of the Dean of Students, 103 Barnes Hall, and the Information and Referral Center on the first floor of Day Hall.

Joint Statement on Common Admission Procedures

Ivy Group Institutions

The Ivy Group is a loosely-formed organization of colleges and universities. It was established in 1954 primarily for the purpose of fostering amateurism in athletics. Relations between the member institutions have grown over the years to the point where we now meet regularly (along with Massachusetts Institute of Technology) at a variety of levels to discuss topics which range from the purely academic to the purely athletic and from fundamental educational philosophy to procedures in admissions.

Each member institution has its own identity and character and protects its right to pursue its own educational objectives. Thus, although the Ivy Group institutions are similar in many respects, each member institution will continue to make its own independent admission decisions according to its own particular admission policy.

In recent years, however, it has become clear that the transition between secondary school and institutions of higher education has become increasingly complex and that greater efforts should be made to simplify the admission process through more uniform procedures. It is our hope that by outlining carefully the procedures under which we are operating and by clearly specifying not only what an applicant's obligations are to us but also what our obligations are to him or her, we can help students pursue their college interests free of unnecessary confusion and pressure.

General Procedures

All contacts with students by representatives of Ivy institutions are intended to provide assistance and information and should be free of any activity which could be construed as applying undue pressure on the candidate. *No information referring to the admission or financial-aid status of an applicant to an Ivy institution may be considered official or reliable unless it is received directly from that institution's admission or financial aid office.*

Ivy institutions mail admission decision letters twice annually, in mid-December and mid-April. Those who wish a decision in December must apply by November 1 and complete their applications with supporting materials shortly thereafter. The application deadline for mid-April notification is January 15.

December Notification

Under December notification an applicant may be notified that he or she has been granted or denied admission or that a final decision has been deferred until the mid-April notification date. Two plans are offered:

A. The College Entrance Examination Board-approved Early Decision Plan, which is offered by Columbia College, Cornell University (College of Arts and Sciences and some other units of the University), Dartmouth College, and the University of Pennsylvania, requires a prior commitment to matriculate. Financial aid awards for those qualifying for financial assistance will normally be announced in full detail at the same time as the admission decisions. An applicant receiving admission and an adequate financial award under the Early Decision Plan will be required to accept that offer of admission and withdraw all applications to other colleges or universities. All the Ivy institutions will honor any required commitment to matriculate which has been made to another college under this plan.

B. An Early Action Plan is offered by Brown University, Harvard University, Massachusetts Institute of Technology, Princeton University, and Yale University. This plan does not require a commitment to matriculate although it is hoped that a student will limit the number of applications submitted under the Early Action Plan. Those admitted candidates applying for financial aid and qualifying for financial assistance will not receive any information concerning financial aid awards until the mid-April common notification date.

Students are urged to consult the admission literature available at each Ivy institution for details concerning their particular December Notification Plan.

Early Evaluation Procedure

Beginning in January and continuing until March 1, participating institutions may advise an applicant of his or her chance of admission (e.g. "Likely," "Unlikely," "Possible," or "Insufficient Information for an Evaluation"). As these are merely tentative assessments, it should be clearly understood that no commitments are involved on the part of either the institution or the applicant. Any Ivy institution may also send out copies of its early evaluation notices to guidance counselors and to others involved in admission-related activities, such as faculty, alumni, and coaches, but no final information about the admission or financial aid status of an applicant may be released to anyone until the common notification date in mid-April. One major exception to this rule is that any Ivy institution may announce formal denials of admission to applicants at any time during the admission season.

April Notification

On a common date in mid-April, applicants to the Ivy institutions will be notified of admission decisions and financial aid awards.

Financial Aid

All the Ivy institutions follow the common policy that any financial aid will be awarded solely on the basis of demonstrated need. Moreover, in order to insure that financial awards to commonly admitted candidates are reasonably comparable, all of the Ivy institutions will continue to share financial aid information concerning admitted candidates in an annual "Ivy overlap" meeting just prior to the mid-April common notification date.

Common Reply Date

Except for those applicants admitted under the College Entrance Examination Board-approved Early Decision Plan, which requires a prior commitment to matriculate, no candidate admitted to any of the Ivy institutions will be requested to announce his or her decision to accept or decline an offer of admission until the common reply date of May 1. All such candidates may delay their commitments to attend until May 1 without prejudice.

Participating Institutions

Brown University
Columbia College
Cornell University
(College of Arts and Sciences)
Dartmouth College
Harvard and Radcliffe Colleges
Massachusetts Institute of Technology
Princeton University
University of Pennsylvania
Yale University

The University of Pennsylvania will announce formal admission decisions by December 15 for students attending high schools in the state of Pennsylvania who file applications by November 1. No such candidates, however, will be requested to make any commitment to the University of Pennsylvania before the May 1 common reply date.

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